Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
1 A	Very deep, well drained, dark yellowish brown	C1: -1-4	VERY POOR	NOT SUITED	PRIME	MODERATE	IIw
1A	sandy floodplain soils; developed in alluvial	Slight	VER I POOR	NOT SUITED	PASTURE	MODERATE	IIW
Colvard fine sandy	materials derived from upland soil material	0.32, 0.20	within 100-year floodplain; frequent	flooding potential			
loam; frequently flooded	weathered from predominantly metamorphic and crystalline rocks	В	flooding; rare ponding  Bearing Capacity: low  Shrink-swell Potential: low				
0 - 2%							
2A	Very deep, moderately well drained, yellowish brown loamy soils with intermittent high water	Slight	VERY POOR	NOT SUITED	SECONDARY CROPLAND	VERY HIGH	IIw
Codorus loam; frequently flooded	tables on floodplains; developed in alluvium washed from crystalline and metamorphic	0.28, 0.24	within 100-year floodplain; frequent flooding; occasional ponding;	flooding potential			
0 - 2%	rocks; may have HYDRIC soil inclusions	С	intermittent high water table  Bearing Capacity: very low  Shrink-swell Potential: low				
3A	Very deep, well drained, yellowish brown silty soils on floodplains; developed in alluvium	Slight	VERY POOR	NOT SUITED	SECONDARY CROPLAND	HIGH	IIw
Suches loam; frequently flooded	washed from metamorphic and crystalline rocks	0.28, 0.24	within 100-year floodplain; frequent flooding; rare ponding	flooding potential			
0 - 2%		В	Bearing Capacity: low Shrink-swell Potential: low				
4A	Very deep, poorly drained, gray loamy soils with intermittent high water tables on concave	Slight	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	IIIw
Hatboro silt loam; frequently flooded	depressions in floodplains; developed in alluvium washed from crystalline and	0.37, 0.20	within 100-year floodplain; frequent flooding; occasional ponding; high	flooding potential			
0 - 2%	metamorphic rocks; HYDRIC SOIL	D	water table  Bearing Capacity: very low  Shrink-swell Potential: low				
5A	Very deep, moderately well drained, mottled yellowish-brown and weak red silty soils with	Slight	VERY POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY HIGH	IIw
Rowland silt loam; frequently flooded	high water tables on floodplains; developed in alluvium from Triassic uplands; may have	0.43, 0.43	within 100-year floodplain; frequent flooding; occasional ponding;	flooding potential			
0 – 2%	HYDRIC soil inclusions	С	intermittent high water table  Bearing Capacity: very low  Shrink-swell Potential: low				

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6A	Very deep, somewhat poorly to poorly drained,	Slight	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY HIGH	IIIw
Bowmansville silt	gray and strong brown clayey soils in back channels and depressions in floodplains;	0.32, 0.28	within 100-year floodplain; frequent	flooding potential		HIGH	
loam; frequently	developed from alluvium washed from	0.32, 0.28	flooding; occasional ponding; high	mooding potential			
flooded	Triassic uplands; HYDRIC SOIL	D	water table				
			Bearing Capacity: very low				
0 - 2%			Shrink-swell Potential: moderate				
7A	Very deep, well drained, brown loamy soils on narrow floodplains; developed in alluvium	Slight	VERY POOR	POOR	PRIME CROPLAND	HIGH	I
Bermudian silt	washed from Triassic uplands	0.37, 0.28	within 100-year floodplain;	flooding potential			
loam; occasionally			occasional flooding; rare ponding				
flooded		В	Bearing Capacity: low Shrink-swell Potential: low				
0 – 2%			<del></del>				
8A**	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY HIGH	
Codorus Variant	high water tables on floodplains; developed in	0.28, 0.24	Within 100-year floodplain; frequent	flooding potential			
loam; frequently	alluvium washed from crystalline and		flooding; occasional ponding; high				
flooded	metamorphic rocks; may have HYDRIC soil	С	water table				
0 - 2%	inclusions		Bearing Capacity: very low				
9A	Very deep, somewhat poorly drained,	Slight	Shrink-swell Potential: low VERY POOR	NOT SUITED	NOT SUITED	MODERATELY	VIs
711	yellowish brown loamy soils with intermittent	Siight	VERTTOOK	NOTBUILD	NOTBETTED	LOW	V 13
Mongle loam, very	high water tables in concave landscapes, along	0.37, 0.37	may be within 100-year floodplain;	high water table			
stony	small drainageways and on alluvial fans;		frequent flooding; high water table;				
	contains 0.1 – 3% surface stones; developed in	C	concentrated runoff from higher				
0 - 2%	recent colluvium/alluvium washed from basic		areas; overland flow-significant				
	and acidic rocks; may have HYDRIC soil		destructive potential during flooding				
	inclusions		events; surface stones				
			Bearing Capacity: moderate Shrink-swell Potential: moderate				
			Sirini Sweii i dentaii. moderate				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
9B**	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent	Slight	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	
Mongle loam, very stony 2 - 7%	high water tables in concave landscapes, along small drainageways and on alluvial fans; contains 0.1 – 3% surface stones; developed in recent colluvium/alluvium washed from basic and acidic rocks; may have HYDRIC soil inclusions	0.37, 0.37 C	may be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events; surface stones  Bearing Capacity: moderate  Shrink-swell Potential: moderate	high water table		2011	
10A	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATE	IVw
Mongle loam 0 - 2%	high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks; may have HYDRIC soil inclusions  Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent	0.37, 0.37 C	may be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events; surface stones  Bearing Capacity: moderate  Shrink-swell Potential: moderate  VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATE	
Mongle loam 2 - 7%	high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks; may have HYDRIC soil inclusions	0.37, 0.37 C	may be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events; surface stones  Bearing Capacity: moderate  Shrink-swell Potential: moderate	high water table			
11A Rohrersville loam; stony 0 - 2%	Very deep, somewhat poorly drained, brownish-yellow loam soils with intermittent high water tables in drainageways; developed in recent greenstone colluvium/alluvium washed from steep rocky slopes; may have HYDRIC soil inclusions	Slight 0.37, 0.43 D	VERY POOR  may be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events Bearing Capacity: low Shrink-swell Potential: moderate	NOT SUITED high water table	SECONDARY PASTURE	MODERATE	IIIw

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	Ş	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
12A	Very deep, somewhat poorly drained, brownish-yellow loam soils with intermittent	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATE	IIIw
Rohrersville loam	high water tables in drainageways; developed in recent greenstone colluvium/alluvium; may	0.37, 0.43	may be within 100-year floodplain; frequent flooding; high water table;	high water table			
0 - 2%	have HYDRIC soil inclusions	D	concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events <b>Bearing Capacity:</b> low <b>Shrink-swell Potential:</b> moderate				
13A**	Very deep, moderately well to somewhat poorly drained, strong brown loamy soils with	Slight	POOR	NOT SUITED	PRIME PASTURE	MODERATE	
Sumerduck loam	intermittent high water tables in drainageways;	0.37, 0.32	frequent flooding; concentrated	high water table	TASTORE		
0 - 2%	developed in alluvium and colluvium from adjacent uplands; may have HYDRIC soil	В	runoff from higher areas; intermittent high water table; low bearing	landscape position			
	inclusions		capacity  Bearing Capacity: low  Shrink-swell Potential: low				
13B	Very deep, moderately well to somewhat poorly drained, strong brown loamy soils with	Moderate	POOR	NOT SUITED	PRIME PASTURE	MODERATE	IVw
Sumerduck loam	intermittent high water tables in drainageways; developed in alluvium and colluvium from	0.37, 0.32	frequent flooding; concentrated runoff from higher areas; intermittent	high water table landscape position			
2 - 7%	adjacent uplands; may have HYDRIC soil inclusions	В	high water table; low bearing capacity  Bearing Capacity: low  Shrink-swell Potential: low	randscape position			
14A**	Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent	Slight	POOR	NOT SUITED	PRIME CROPLAND	MODERATELY HIGH	
Sowego loam	high water tables in concave upland landscapes (swales) and drainageways;	0.37, 0.24	frequent flooding; concentrated runoff from higher areas; intermittent	landscape position	· - /-	-	
0 - 2%	developed in local colluvium and residuum of materials derived from Triassic siltstone, shale	В	high water table; low bearing capacity				
	and conglomerate; may have HYDRIC soil inclusions		Bearing Capacity: low Shrink-swell Potential: low				

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14B	Deep, well to moderately-well drained dark	Moderate	POOR	NOT SUITED	PRIME CROPLAND	MODERATELY HIGH	IIe
Sowego loam	reddish-brown loamy soils with intermittent high water tables in concave upland landscapes (swales) and drainageways;	0.37, 0.24	frequent flooding; concentrated runoff from higher areas; intermittent	landscape position	CROPLAND	nion	
2 - 7%	developed in local colluvium and residuum of materials derived from Triassic siltstone, shale	В	high water table; low bearing capacity				
	and conglomerate; may have HYDRIC soil inclusions		Bearing Capacity: low Shrink-swell Potential: low				
14C**	Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY HIGH	
Sowego loam	high water tables in concave upland landscapes (swales) and drainageways;	0.37, 0.24	frequent flooding; concentrated runoff from higher areas; intermittent	landscape position			
7 - 15%	developed in local colluvium and residuum of materials derived from Triassic siltstone, shale	В	high water table; low bearing capacity				
	and conglomerate; may have HYDRIC soil inclusions		Bearing Capacity: low Shrink-swell Potential: low				
15A**	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent	Slight	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY HIGH	
Seneca loam	high water tables in concave swales and along small drainageways; developed in recent	0.37, 0.28	frequent flooding; intermittent high water table; concentrated runoff	high water table landscape position			
0 - 2%	colluvium and local wash from crystalline and metamorphic uplands; may have HYDRIC soil	В	from higher areas; low bearing capacity when wet	ranascape position			
	inclusions		Bearing Capacity: moderate Shrink-swell Potential: low				
15B**	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY HIGH	
Seneca loam	high water tables in concave swales and along small drainageways; developed in recent	0.37, 0.28	frequent flooding; intermittent high water table; concentrated runoff	high water table landscape position			
2 - 7%	colluvium and local wash from crystalline uplands; may have HYDRIC soil inclusions	В	from higher areas; low bearing capacity when wet  Bearing Capacity: moderate  Shrink- swell Potential: low				

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15C**	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY HIGH	
Seneca loam	high water tables in concave swales and along small drainageways; developed in recent	0.37, 0.28	frequent flooding; intermittent high water table; concentrated runoff	high water table landscape position			
7 - 15%	colluvium and local wash from crystalline uplands; may have HYDRIC soil inclusions	В	from higher areas; low bearing capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				
l6A**	Very deep, well drained, yellowish-brown to reddish-brown silty soils with intermittent high	Moderate	POOR frequent flooding; intermittent high	NOT SUITED	PRIME CROPLAND	MODERATELY HIGH	
Meadowville silt loam	water tables in concave uplands and along small drainageways; developed in recent	0.37, 0.32	water table; concentrated runoff from higher areas; low bearing	landscape position			
0 - 2%	colluvium and local wash from acid rock materials; may have HYDRIC soil inclusions	В	capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				
16B**	Very deep, well drained, yellowish-brown to reddish-brown silty soils with intermittent high	Moderate	POOR	NOT SUITED	PRIME CROPLAND	MODERATELY HIGH	
Meadowville silt loam	water tables in concave uplands and along small drainageways; developed in recent colluvium and local wash from acid rock	0.37, 0.32 B	frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing	landscape position			
2 - 7%	materials; may have HYDRIC soil inclusions		capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				
16C**	Very deep, well drained, yellowish-brown to reddish-brown silty soils with intermittent high	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY HIGH	
Meadowville silt loam	water tables in concave uplands and along small drainageways; developed in recent	0.37, 0.32	frequent flooding; intermittent high water table; concentrated runoff	landscape position		-	
7 - 15%	colluvium and local wash from acid rock materials; may have HYDRIC soil inclusions	В	from higher areas; low bearing capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		<u> </u>	USE POTENTIAL AND PR	OBLEMS FOR	S	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
17A**	Very deep, well drained, brown loamy soils in concave swales and along small drainageways;	Slight	POOR	NOT SUITED	PRIME CROPLAND	HIGH	
Middleburg loam	developed in recent colluvium and local wash from crystalline uplands; may have HYDRIC	0.37, 0.32	frequent flooding; intermittent high water table; concentrated runoff	landscape position			
0 - 2%	soil inclusions	В	from higher areas; low bearing capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				
17B	Very deep, well drained, brown loamy soils in concave swales and along small drainageways;	Moderate	POOR	NOT SUITED	PRIME CROPLAND	HIGH	IIe
Middleburg loam	developed in recent colluvium from mixed basic and acidic rock; may have HYDRIC soil	0.37, 0.32	frequent flooding; intermittent high water table; concentrated runoff	landscape position			
2 - 7%	inclusions	В	from higher areas; low bearing capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				
17C**	Very deep, well drained, brown loamy soils in concave swales and head of drainageways;	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	HIGH	
Middleburg loam	developed in recent colluvium and local wash from crystalline uplands; may have HYDRIC	0.37, 0.32	frequent flooding; intermittent high water table; concentrated runoff	landscape position			
7 - 15%	soil inclusions	В	from higher areas; low bearing capacity when wet  Bearing Capacity: moderate  Shrink-swell Potential: low				
18B**	Moderately deep, well drained, strong brown, coarse-loamy (Tankerville) and very deep,	Moderate	POOR	POOR	SECONDARY PASTURE	LOW	
Tankerville – Purcellville loam,	well drained, strong brown silty (Purcellville) soils on undulating summits and gently sloping	0.32, 0.24 – 0.32, 0.28	shallow to rock; rock outcrop; stoniness	shallow to rock			
very rocky 2 - 7%	backslopes; 2-10% rock outcrop and 0.1-3% stones and/or boulders cover the surface; developed in residuum from granite, granite	C - B	Bearing Capacity: moderate Shrink-swell Potential: low				
18C	gneiss and granitic schist  Moderately deep, well drained, strong brown, coarse-loamy (Tankerville) and very deep,	Moderate	POOR	POOR	SECONDARY PASTURE	LOW	VIs
Tankerville – Purcellville loam, very rocky	well drained, strong brown silty (Purcellville) soils on rolling summits and strongly sloping backslopes; 2-10% rock outcrop and 0.1-3%	0.32, 0.24 – 0.32, 0.28	shallow to rock; rock outcrop; stoniness	shallow to rock	FASTURE		
7 - 15%	stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	C - B	Bearing Capacity: moderate Shrink-swell Potential: low				

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GRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY
		CLASS
ECONDARY	LOW	VIs
PASTURE		
OT SUITED	LOW	VIIe
OT SUITED	LOW	
OT SUITED	LOW	
OT SHITED	LOW	
OTSUITED	LOW	
OT SUITED	LOW	VIIs
OT GLUTTED	1.011	7.777
OT SUITED	LOW	VIIs
C C	OT SUITED  OT SUITED  OT SUITED	OT SUITED LOW  OT SUITED LOW  OT SUITED LOW  OT SUITED LOW

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		ED OCTOVI VI G I D D	USE POTENTIAL AND PRO	OBLEMS FOR	SI	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
19F**	Moderately deep, well drained, strong brown,	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
191	coarse-loamy soils on very steep backslopes	very mgn	VERTTOOK	NOT SOTTED	NOT SOTTED	LOW	
Tankerville-Rock	and 10 to 25% rock outcrop; 0-60% stones	0.32, 0.24	steep slopes, rock outcrops	steep slopes			
outcrop complex	and/or boulders cover the surface; developed		Bearing Capacity: moderate	rock outcrops			
	in residuum from granite, granite gneiss and	C	Shrink-swell Potential: low				
45 - 65%	granitic schist						
20B**	Moderately deep, well drained, strong brown coarse-loamy soils (Tankerville) and very	Moderate	FAIR	MARGINAL	PRIME PASTURE	LOW	
Tankerville –	deep, well drained, strong brown fine-silty	0.32, 0.24 -	shallow to rock	shallow to rock			
Purcellville	soils (Purcellville) on undulating summits and	0.32, 0.28	Bearing Capacity: moderate				
complex, rocky	gently sloping backslopes; 0.1 – 2% rock		Shrink-swell Potential: low				
2 50/	outcrop; developed in residuum from granite,	C - B					
2 - 7%	schist and gneiss	35.1		14 D CD 14 T	DD 11 CF		***
20C	Moderately deep, well drained, strong brown coarse-loamy soils (Tankerville) and very	Moderate	FAIR	MARGINAL	PRIME PASTURE	LOW	IIIe
Tankerville –	deep, well drained, strong brown fine-silty	0.32, 0.24 -	shallow to rock	shallow to rock			
Purcellville	soils (Purcellville) on rolling summits and	0.32, 0.28	Bearing Capacity: moderate				
complex, rocky	strongly sloping backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite,	C - B	Shrink-swell Potential: low				
7 - 15%	schist and gneiss						
20D	Moderately deep, well drained, strong brown coarse-loamy soils (Tankerville) and very	High	POOR	POOR	PRIME PASTURE	LOW	IVe
Tankerville –	deep, well drained, strong brown fine-silty	0.32, 0.24 -	steep slopes; shallow to rock	shallow to rock			
Purcellville	soils (Purcellville) on moderately steep	0.32, 0.28		steep slopes			
complex, rocky	backslopes; 0.1 – 2% rock outcrop; developed	a 5	Bearing Capacity: moderate				
	in residuum from granite, schist and gneiss	C - B	Shrink-swell Potential: low				
15 - 25%							
20E	Moderately deep, well drained, strong brown, coarse- loamy soils on steep backslopes; 0.1 –	Very high	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	VIIe
Tankerville loam;	2% rock outcrop; developed in residuum from	0.32, 0.24	steep slopes; shallow to rock	steep slopes			
rocky	granite, granite gneiss and granitic schist	C	Bearing Capacity: moderate Shrink-swell Potential: low	shallow to rock			
		-					
25 - 45%	X 1 11 11 1 11 11 11 1	G11 1 .	GOOD	0000	DDII (E	MODERATE	
21A**	Very deep, well drained, yellowish-brown loamy soils on near level summits and	Slight	GOOD	GOOD	PRIME CROPLAND	MODERATE	
Edneytown loam	backslopes; developed in residuum from,	0.28, 0.24					
0 - 2%	augen gneiss, granite gneiss and granite	В	Bearing Capacity: moderate Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		TD 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USE POTENTIAL AND PR	OBLEMS FOR		SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
21B**	Very deep, well drained, yellowish-brown	Moderate	GOOD	GOOD	PRIME	MODERATE	
210	loamy soils on undulating summits and gently	Wioderate	ОООД	ОООД	CROPLAND	MODERATE	
Edneytown loam	sloping backslopes; developed in residuum	0.28, 0.24					
ř	from, augen gneiss, granite gneiss and granite		Bearing Capacity: moderate				
2 - 7%		В	Shrink-swell Potential: low				
21C	Very deep, well drained, yellowish-brown	Moderate	GOOD	GOOD	SECONDARY	MODERATE	IIIe
-	loamy soils on rolling summits and strongly	0.20.004			CROPLAND		
Edneytown loam	sloping backslopes; developed in residuum	0.28, 0.24	Parada Cara ditan and lands				
7 - 15%	from, augen gneiss, granite gneiss and granite	В	Bearing Capacity: moderate Shrink-swell Potential: low				
21D	Very deep, well drained, yellowish-brown	High	FAIR	MARGINAL	PRIME	MODERATE	IVe
210	loamy soils on moderately steep backslopes;	ing.	771110	WI III WIE	PASTURE	MODERTIE	1,0
Edneytown loam	developed in residuum from, augen gneiss,	0.28, 0.24	steep slopes	steep slopes			
	granite gneiss and granite		Bearing Capacity: moderate	• •			
15 - 25%		В	Shrink-swell Potential: low				
21E	SEE MAP UNIT 121E						
22B	Very deep, well drained, strong brown silty soils (Purcellville) and very deep, moderately	Moderate	FAIR	POOR	PRIME CROPLAND	MODERATELY HIGH	IIe
Purcellville -	well drained, brownish yellow loamy soils	0.32, 0.28	intermittent high water table;	intermittent high water			
Swampoodle	(Swampoodle) with intermittent high water		concentrated runoff from higher	table percs slow			
complex	tables on broad summits and slight	D. C.	areas; low bearing capacity				
2 – 7%	depressions; may have shrink-swell clay in subsoil; developed in local colluvium and	B - C	Bearing Capacity: moderate - low Shrink-swell Potential: high				
2 - 170	residuum from granitic rocks		Shrink-swen Potential: high				
23B	Very deep, well drained, strong brown fine-	Moderate	GOOD	GOOD	PRIME	MODERATE	IIe
202	silty soils on undulating summits and gently	1110001010	3332	0002	CROPLAND	MODERNIE	110
Purcellville loam	sloping backslopes; developed in residuum	0.32, 0.28					
	from granite, schist and gneiss		Bearing Capacity: moderate				
2 – 7%		В	Shrink-swell Potential: low				
23C	Very deep, well drained, strong brown fine-	Moderate	GOOD	GOOD	SECONDARY	MODERATE	IIIe
Purcellville loam	silty soils on strongly sloping backslopes; developed in residuum from granite, schist and	0.22 0.28			CROPLAND		
1 urcenvine ioani	gneiss	0.32, 0.28	Bearing Capacity: moderate				
7 – 15%	5	В	Shrink-swell Potential: low				
23D3**	Very deep, well drained, strong brown fine- silty soils on moderately steep backslopes;	High	FAIR	MARGINAL	PRIME PASTURE	MODERATE	
Purcellville loam;	developed in residuum from granite, schist and	0.32, 0.28	steep slopes	Steep slopes			
gullied	gneiss		Bearing Capacity: moderate	- *			
		В	Shrink-swell Potential: low				
15 – 25%							ļ

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	,	<u> </u>	USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
24B	Very deep, well drained, yellowish-brown	Moderate	GOOD	MARGINAL	PRIME	MODERATE	IIe
24B	loamy soils (Edgemont) and very deep, well	Wioderate	GOOD	WAROINAL	CROPLAND	MODERATE	110
Edgemont-Culpeper	drained, red clayey soils (Culpeper) on	0.32, 0.28 -		percs slowly			
complex	undulating summits and gently sloping	0.37, 0.28	Bearing Capacity: low - moderate				
2 70/	backslopes; developed in residuum from meta-	D. C.	Shrink-swell Potential: low				
2 – 7% 24C	arkosic sandstone and meta-graywacke  Very deep, well drained, yellowish-brown	B - C Moderate	GOOD	MARGINAL	SECONDARY	MODERATE	IIIe
24C	loamy soils on rolling summits and strongly	Moderate	ООО	MARGINAL	CROPLAND	MODERATE	me
Edgemont loam	sloping backslopes; developed in residuum	0.32, 0.28		percs slowly	CROT ELLIVE		
	from meta-arkosic sandstone and meta-	,	Bearing Capacity: low - moderate	1			
7 – 15%	graywacke	В	Shrink-swell Potential: low				
24D**	Very deep, well drained, yellowish-brown	High	FAIR	MARGINAL	SECONDARY	MODERATE	IVe
	loamy soils on moderately steep backslopes;	-			CROPLAND		
Edgemont loam	developed in residuum from meta-arkosic	0.32, 0.28	steep slopes	percs slowly			
15 – 25%	sandstone and meta-graywacke	В	Bearing Capacity: low - moderate Shrink-swell Potential: low	steep slopes			
25B**	Moderately deep, excessively drained,	Moderate	FAIR	MARGINAL	SECONDARY	MODERATELY	
	yellowish-brown coarse-loamy soils (Hazel)				CROPLAND	LOW	
Hazel – Edgemont	and very deep, well drained, yellowish-brown	0.32, 0.24 –	shallow to rock	shallow to rock			
complex	loamy soils (Edgemont) on undulating	0.32, 0.28	Bearing Capacity: moderate - low Shrink-swell Potential: low				
2- 7%	summits and gently sloping backslopes; developed in residuum from arkosic sandstone	C - B	Shrink-swell Potential: 10W				
2 770	and meta-graywacke	СВ					
25C	Moderately deep, excessively drained,	Moderate	FAIR	MARGINAL	SECONDARY	LOW	IIIe
II 1 F1 .	yellowish-brown coarse-loamy soils (Hazel)	0.22, 0.24	1.11	1 11 4 1	PASTURE		
Hazel – Edgemont complex; rocky	and very deep, well drained, yellowish-brown loamy soils (Edgemont) on rolling summits	0.32, 0.24 – 0.32, 0.28	shallow to rock <b>Bearing Capacity:</b> moderate - low	shallow to rock			
complex, rocky	and strongly sloping backslopes; 0.1 to 2%	0.52, 0.26	Shrink-swell Potential: low				
7- 15%	rock outcrop; developed in residuum from	C - B	Shiring Swell's decidate 10 w				
	arkosic sandstone and meta-graywacke						
25C3**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils (Hazel)	Moderate	POOR	POOR	SECONDARY PASTURE	MODERATELY LOW	
Hazel – Edgemont	and very deep, well drained, yellowish-brown	0.32, 0.24 -	shallow to rock; gullies	shallow to rock		<i>-</i>	
complex; gullied	loamy soils (Edgemont) on rolling summits	0.32, 0.28	Bearing Capacity: moderate - low	gullies			
	and strongly sloping backslopes with gullies;		Shrink-swell Potential: low				
7- 15%	developed in residuum from arkosic sandstone	C - B					
	and meta-graywacke						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	j son characterishes and cae't oteman		USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
25D	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on narrow	High	POOR	POOR	SECONDARY PASTURE	LOW	IVe
Hazel loam; rocky	summits and moderately steep backslopes; 0.1 to 2% rock outcrop; developed in residuum	0.32, 0.24	shallow to rock; steep slopes; rock outcrop	shallow to rock steep slopes	PASTURE		
15 - 25%	from arkosic sandstone and meta-graywacke	C	Bearing Capacity: moderate Shrink-swell Potential: low	rock outcrop			
25D3**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils (Hazel)	High	POOR	POOR	NOT SUITED	LOW	
Hazel – Edgemont complex; gullied	and very deep, well drained, yellowish-brown loamy soils (Edgemont) on moderately steep	0.32, 0.24 – 0.32, 0.28	steep slope; shallow to rock; gullies <b>Bearing Capacity:</b> moderate - low	steep slope shallow to rock			
1	backslopes with gullies; developed in residuum from arkosic sandstone and meta-	C - B	Shrink-swell Potential: low	gullies			
15-25%	graywacke	С-В					
25E	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on steep	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	VIIe
Hazel loam; rocky	backslopes, developed in residuum from arkosic sandstone and meta-graywacke	0.32, 0.24	steep slopes; shallow to rock <b>Bearing Capacity:</b> moderate	steep slopes shallow to rock			
25 - 45%	arkosic sanustone and meta-graywacke	C	Shrink-swell Potential: low	shanow to fock			
26B**	Very deep, well drained, red clayey soils on undulating summits; developed in residuum	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Culpeper fine sandy loam	from meta-arkosic sandstone and meta- graywacke	0.37, 0.28	Bearing Capacity: moderate	percs slowly			
	graywacke	C	Shrink-swell Potential: low				
2 – 7% 26C	Very deep, well drained, red clayey soils on rolling summits and strongly sloping	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	IIIe
Culpeper fine sandy loam	backslopes; developed in residuum from meta- arkosic sandstone and meta-graywacke	0.37, 0.28 C	Bearing Capacity: moderate Shrink-swell Potential: low	percs slowly			
7 – 15%							
27C3	SEE MAP UNIT 26C						
28B**	Very deep, well drained, red clayey soils (Fauquier) and/or very deep, well drained, red	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATELY HIGH	
Fauquier and Eubanks soils	loamy soils (Eubanks) on undulating summits and gently sloping backslopes; developed in	0.32, 0.28 – 0.32, 0.32		percs slowly			
	residuum from sheared granite or granodiorite intruded by dikes of greenstone This map	C - B	Bearing Capacity: moderate Shrink-swell Potential: moderate				
2 - 7 %	unit will predominantly consist of Fauquier and/or Eubanks soils	С-В	Surink-sweii Fotentiai: moderate				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		· · · · · · · · · · · · · · · · · · ·	USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
28C	Very deep, well drained, red clayey soils	Moderate	GOOD	MARGINAL	SECONDARY	MODERATELY	IIIe
260	(Fauquier) and/or very deep, well drained, red	Moderate	ОООВ	WAROINAL	CROPLAND	HIGH	me
Fauquier and	loamy soils (Eubanks) on rolling summits and	0.32, 0.28 -		percs slowly	CROT LIND	mon	
Eubanks soils	strongly sloping backslopes; developed in	0.32, 0.32		F			
	residuum from sheared granite or granodiorite		Bearing Capacity: moderate				
7 - 15 %	intruded by dikes of greenstone This map	C - B	Shrink-swell Potential: moderate				
	unit will predominantly consist of Fauquier						
	and/or Eubanks soils						
28C3	SEE MAP UNIT 28C						
28D	Very deep, well drained, red clayey soils	High	FAIR	MARGINAL	PRIME	MODERATELY	IVe
	(Fauquier) and very deep, well drained, red				PASTURE	HIGH	
Fauquier and	loamy soils (Eubanks) on moderately steep	0.32, 0.28 –	steep slopes	steep slopes			
Eubanks soils	backslopes; developed in residuum from	0.32, 0.32		percs slowly			
	sheared granite or granodiorite intruded by	C D	Bearing Capacity: moderate				
15 250/	dikes of greenstone This map unit will	C - B	Shrink-swell Potential: moderate				
15 - 25%	predominantly consist of Fauquier and/or Eubanks soils						
28D3	SEE MAP UNIT 28D						
29C	SEE MAP UNIT 28C						
29D	SEE MAP UNIT 28D						
30B**	Very deep, well drained, yellowish-brown	Moderate	FAIR	MARGINAL	PRIME	MODERATELY	
30 <b>D</b>	loamy (Edneytown) soil and moderately deep,	Moderate	17111	MINORVIL	PASTURE	LOW	
Edneytown –	well drained dark brown (Chestnut) coarse-	0.28, 0.24 -	shallow to rock	shallow to rock	111510112	20	
Chestnut complex;	loamy soil on undulating summits and gently	0.24, 0.24					
rocky	sloping backslopes in dissected landscapes;	,	Bearing Capacity: moderate				
•	developed in residuum from coarse-textured	В	Shrink-swell Potential: low				
2 - 7%	granite and granite gneiss; 0.1 to 2 percent						
	rock outcrop						
30C	Very deep, well drained, yellowish-brown	Moderate	FAIR	MARGINAL	PRIME	MODERATELY	IVe
	(Edneytown) loamy soil and moderately deep,	0.00 0.00			PASTURE	LOW	
Edneytown –	well drained dark brown (Chestnut) coarse-	0.28, 0.24 –	shallow to rock	shallow to rock			
Chestnut complex;	loamy soil on rolling summits and strongly	0.24, 0.24	<b>P</b> • G • t • 1 •				
rocky	sloping backslopes in dissected landscapes;	D	Bearing Capacity: moderate				
7 - 15%	developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent	В	Shrink-swell Potential: low				
7 - 13%	rock outcrop						
30D	Very deep, well drained, yellowish-brown	High	FAIR	MARGINAL	SECONDARY	MODERATELY	VIe
302	(Edneytown) loamy soil and moderately deep,	111611	11111	MIMOINE	PASTURE	LOW	V 10
Edneytown –	well drained dark brown (Chestnut) coarse-	0.28, 0.24 -	shallow to rock; steep slopes	shallow to rock	TIBICKE	2011	
Chestnut complex;	loamy soil on moderately steep backslopes in	0.24, 0.24	Bearing Capacity: moderate	steep slopes			
rocky	dissected landscapes; developed in residuum	,	Shrink-swell Potential: low	1 · · · F · ·			
·	from coarse-textured granite and granite	В					
15 - 25%	gneiss; 0.1 to 2 percent rock outcrop						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
31B	Very deep, well drained, strong brown, fine- silty (Purcellville) and moderately deep, well	Moderate	FAIR	MARGINAL	PRIME CROPLAND	MODERATELY LOW	IIe
Purcellville –	drained, strong brown, coarse-loamy	0.32, 0.28 -	shallow to rock	shallow to rock			
Tankerville	(Tankerville) soils on undulating summits and	0.32, 0.24	Bearing Capacity: moderate				
complex	gently sloping backslopes; developed in residuum from granite, granite gneiss and	B - C	Shrink-swell Potential: low				
2 - 7%	granitic schist	36.1	EAD	MARCRIAL	GEGOVE A DV	MODERATELA	***
31C	Very deep, well drained, strong brown, fine- silty (Purcellville) and moderately deep, well	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATELY LOW	IIIe
Purcellville –	drained, strong brown, coarse-loamy	0,.32, 0.28 –	shallow to rock	shallow to rock			
Tankerville	(Tankerville) soils on strongly sloping	0.32, 0.24	Bearing Capacity: moderate				
complex	backslopes; developed in residuum from granite, granite gneiss and granitic schist	B - C	Shrink-swell Potential: low				
7 - 15%	8						
31D	SEE MAP UNIT 20D						
33B**	Moderately deep, well drained, yellowish-red silty soils on gently sloping backslopes and	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Brinklow silt loam	convex undulating summits; developed in residuum from sericite and biotite schist;	0.37, 0.32	shallow to rock <b>Bearing Capacity:</b> moderate	shallow to rock			
2 - 7%	gneiss and phyllites.	В	Shrink-swell Potential: low				
33C**	Moderately deep, well drained, yellowish-red silty soils on strongly sloping sideslopes;	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Brinklow silt loam	developed in residuum from sericite and biotite	0.37, 0.32	shallow to rock				
	schist; gneiss and phyllites.		Bearing Capacity: moderate	shallow to rock			
7 – 15%		В	Shrink-swell Potential: low				
33D	Moderately deep, well drained, yellowish-red silty soils on moderately steep backslopes;	High	POOR	POOR	PRIME PASTURE	MODERATELY LOW	IVe
Brinklow silt loam	developed in residuum from sericite and biotite	0.37, 0.32	shallow to rock; steep slopes				
15 - 25%	schist; gneiss and phyllites.	В	Bearing Capacity: moderate Shrink-swell Potential: low	shallow to rock steep slopes			
33E	Moderately deep, well drained, yellowish-red silty soils on steep backslopes; developed in	High	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	VIIe
Brinklow silt loam	residuum from sericite and biotite schist;	0.37, 0.32	shallow to rock; very steep slopes		11101011		
25 - 45%	gneiss and phyllites.	В	Bearing Capacity: moderate Shrink-swell Potential: low	shallow to rock very steep slopes			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
34B	Very deep, well drained, yellowish-red clayey soils on undulating summits and gently sloping	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	IIe
Yellowbottom loam	backslopes; developed in residuum from	0.32, 0.28		percs slowly	CROT LINE		
2 - 7%	sericite, biotite schist and meta-monzonite granite	В	Bearing Capacity: low Shrink-swell Potential: moderate				
34C	Very deep, well drained, yellowish-red clayey soils on strongly sloping backslopes;	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	IIIe
Yellowbottom loam	developed in residuum from sericite, biotite schist and meta-monzonite granite	0.32, 0.28	Bearing Capacity: low	percs slowly			
7 - 15%	scriist and meta-monzonne granne	В	Shrink-swell Potential: moderate				
34D**	Very deep, well drained, yellowish-red clayey soils on moderately steep backslopes in	High	FAIR	MARGINAL	PRIME PASTURE	MODERATE	
Yellowbottom loam	dissected uplands; developed in residuum from sericite and biotite schist and gneiss	0.32, 0.28	steep slopes  Bearing Capacity: low	percs slowly			
15 – 25%	sericite and biothe schist and gheiss	В	Shrink-swell Potential: moderate	steep slopes			
35B	Very deep, well drained, red clayey soils on undulating summits and gently sloping	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	IIe
Penhook silt loam	backslopes in dissected uplands; developed in residuum from sericite schist, phyllonite, and	0.37, 0.32	Bearing Capacity: low	percs slowly			
2 – 7%	phyllite	В	Shrink-swell Potential: moderate				
35C	Very deep, well drained, red clayey soils	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	IIIe
Penhook silt loam	strongly sloping backslopes in dissected uplands; developed in residuum from sericite schist, phyllonite, and phyllite	0.37, 0.32	Bearing Capacity: low	percs slowly	CROPLAND		
7 - 15%	71 V	В	Shrink-swell Potential: moderate				
35D**	Very deep, well drained, red clayey soils moderately steep backslopes in dissected	High	FAIR	MARGINAL	PRIME PASTURE	MODERATE	
Penhook silt loam	uplands; developed in residuum from sericite schist, phyllonite, and phyllite	0.37, 0.32	steep slopes  Bearing Capacity: low	percs slowly steep slopes			
15 - 25%	semst, phynomic, and phynne	В	Shrink-swell Potential: moderate	steep stopes			
36C3	SEE MAP UNIT 35C						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		-	USE POTENTIAL AND PRO	OBLEMS FOR	9	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
38A**	Very deep, moderately well drained, brownish-yellow loamy soils with intermittent	Slight	VERY POOR	POOR	SECONDARY CROPLAND	MODERATELY HIGH	
Swampoodle loam	high water tables on broad summits and slight depressions; shrink-swell clays may occur in	0.32, 0.28	occasional ponding; intermittent high water table; concentrated runoff	high water table			
0 - 2%	lower subsoil of some soil profiles; developed in local colluvium and residuum from granitic rocks; may have HYDRIC soil inclusions	C	from higher areas; possible shrink- swell clays Bearing Capacity: low Shrink-swell Potential: high				
38B	Very deep, moderately well drained, mottled brownish-yellow and strong brown loamy soils	Moderate	VERY POOR	POOR	SECONDARY CROPLAND	MODERATELY HIGH	IIe
Swampoodle loam	with intermittent high water tables on broad summits and slight depressions; may have	0.32, 0.28	intermittent high water table; possible shrink-swell clays	high water table			
2 - 7%	shrink-swell clay in subsoil; developed in local colluvium and residuum from granitic rocks; may have HYDRIC soil inclusions	С	Bearing Capacity: low Shrink-swell Potential: high				
40B**	Deep, well drained, strong brown silty soils on undulating summits and gently sloping	Moderate	FAIR	MARGINAL	PRIME CROPLAND	MODERATELY HIGH	
Myersville silt loam	backslopes; developed in residuum from greenstone and chloritic schist	0.37, 0.32	shallow to rock <b>Bearing Capacity:</b> moderate	shallow to rock			
2 - 7%		В	Shrink-swell Potential: low				
40C	Deep, well drained, strong brown silty soils on rolling summits and strongly sloping	High	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATELY HIGH	IIIe
Myersville silt loam	backslopes; developed in residuum from greenstone and chloritic schist	0.37, 0.32	shallow to rock <b>Bearing Capacity:</b> moderate	shallow to rock			
7 - 15%		В	Shrink-swell Potential: low				
40D	Deep, well drained, strong brown silty soils on moderately steep backslopes; stones cover	High	POOR	POOR	PRIME PASTURE	MODERATE	VIs
Myersville silt loam, stony	0.02 – 0.1% of the soil surface; developed in residuum from greenstone and chloritic schist	0.37, 0.32 B	steep slopes; shallow to rock  Bearing Capacity: moderate  Shrink-swell Potential: low	steep slopes shallow to rock			
15 - 25%							
40E	Moderately deep, well drained, strong brown silty soils on steep backslopes; with cobbles	Very high	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIe
Pignut silt loam, stony	and stones ranging from .01 – 0.1% on the soil surface; developed in residuum from greenstone and chloritic schist	0.37, 0.32 C	very steep slopes; shallow to rock <b>Bearing Capacity:</b> moderate <b>Shrink-swell Potential:</b> low	very steep slopes shallow to rock			
25 - 45 %							

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		FD 0.07031 11	USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
41B**	Very deep, well drained, yellowish red silty soils (Alanthus) and moderately deep, well	Moderate	FAIR	MARGINAL	SECONDARY PASTURE	MODERATE	
Alanthus – Pignut	drained, strong brown silty soils (Pignut) on	0.37, 0.32	shallow to rock; stoniness	shallow to rock	111516112		
complex; very stony	undulating summits and gently sloping backslopes; surface cover is represented by .05	B - C	Description Committee and least				
2 - 7 %	- 4% stones, 0 - 4% cobbles and 0 - 0.1% rock outcrop; developed in residuum from greenstone	D-C	Bearing Capacity: moderate Shrink-swell Potential: low				
41C	Very deep, well drained, yellowish red silty soils (Alanthus) and moderately deep, well	Moderate	FAIR	MARGINAL	SECONDARY PASTURE	MODERATE	VIs
Alanthus – Pignut complex; very stony	drained, strong brown silty soils (Pignut) on strongly sloping backslopes; surface cover is	0.37, 0.32	shallow to rock; stoniness	shallow to rock			
7 - 15 %	represented by $0.1 - 3\%$ stones, $0 - 3\%$ cobbles and $0 - 0.01\%$ rock outcrop;	B - C	Bearing Capacity: moderate Shrink-swell Potential: low				
7 - 13 70	developed in residuum from greenstone		Sin ink-swen i otential. 10w				
41D	Moderately deep, well drained, strong brown (Pignut) and very deep, well drained,	High	POOR	POOR	NOT SUITED	MODERATELY LOW	VIIs
Pignut – Alanthus	yellowish red (Alanthus) silty soils on	0.37, 0.32	shallow to rock; steep slopes;	shallow to rock			
complex, extremely	moderately steep backslopes; surface cover is represented by $3 - 15\%$ stones, $0 - 3\%$ cobbles	C - B	stoniness	steep slopes			
stony	and $0 - 0.01\%$ rock outcrop; developed in	С-В	Bearing Capacity: moderate				
15 - 25%	residuum from greenstone and chloritic schist		Shrink-swell Potential: low				
41E	Moderately deep, well drained, strong brown silty soils on steep backslopes; surface cover is	Very high	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIs
Pignut silt loam,	represented by $3 - 15\%$ stones, $0 - 3\%$ cobbles	0.37, 0.32	shallow to rock; very steep slopes;	very steep slopes			
extremely stony	and 0 – 0.01% rock outcrop; developed in	С	stoniness	shallow to rock			
25 - 45%	residuum from greenstone and chloritic schist	C	Bearing Capacity: moderate Shrink-swell Potential: low				
42C**	Moderately deep, well drained, strong brown silty soils and 10 – 25 % rock outcrop on	Moderate	POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Pignut - Rock	strongly sloping backslopes; surface cover is	0.37, 0.32	rock outcrops				
Outcrop complex	represented by $1-15\%$ cobbles, $3-25\%$	G	Bearing Capacity: moderate	rock outcrops			
7 - 15%	stones, and $0-20\%$ boulders; developed in residuum from greenstone and chloritic schist	С	Shrink-swell Potential: low				
42D	Moderately deep, well drained, strong brown silty soils and 15 – 25 % rock outcrop on	High	POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	VIIs
Pignut - Rock	moderately steep backslopes; surface cover is	0.37, 0.32	steep slopes; rock outcrops	steep slopes			
Outcrop complex	represented by $0-15\%$ cobbles, $3-25\%$	G	Bearing Capacity: moderate	rock outcrops			
15 - 25%	stones, and $0-20\%$ boulders; developed in residuum from greenstone and chloritic schist	С	Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EROSION HAZARD	USE POTENTIAL AND PRO	OBLEMS FOR	2	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILIT CLASS
42E	Moderately deep, well drained, strong brown silty soils and $15 - 25$ % rock outcrop on steep	Very High	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIs
Pignut - Rock	backslopes; surface cover is represented by 0 –	0.37, 0.32	very steep slopes; rock outcrops	very steep slopes			
Outcrop complex	15% cobbles, 3 – 25% stones, and 0 – 20% boulders; developed in residuum from	C	Bearing Capacity: moderate Shrink-swell Potential: low	rock outcrops			
25 - 45%	greenstone and chloritic schist						
43B**	Very deep, well drained, yellowish-red silty soils on undulating summits and gently sloping	Moderate	GOOD	GOOD	PRIME CROPLAND	HIGH	
Alanthus silt loam	backslopes; developed in residuum from	0.37, 0.32					
2 – 7%	greenstone and chloritic schist	В	Bearing Capacity: moderate Shrink-swell Potential: low				
43C	Very deep, well drained, yellowish-red silty	High	GOOD	GOOD	SECONDARY	HIGH	IIIe
	soils on strongly sloping backslopes;				CROPLAND		
Alanthus silt loam	developed in residuum from greenstone and	0.37, 0.32					
7 - 15%	chloritic schist	В	Bearing Capacity: moderate Shrink-swell Potential: low				
43D	SEE MAP UNIT 40D						
44B3	SEE MAP UNIT 45B						
44C3	SEE MAP UNIT 45C						
44D3	SEE MAP UNIT 45D						
45B	Very deep, well drained, red clayey soils on undulating summits and gently sloping	Moderate	GOOD	MARGINAL	PRIME CROPLAND	HIGH	IIe
Fauquier silt loam	backslopes; developed in residuum from	0.32, 0.28		percs slowly			
2 - 7%	massive greenstone and chloritic schist	c	Bearing Capacity: moderate Shrink-swell Potential: moderate				
45C	Very deep, well drained, red clayey soils on strongly sloping backslopes; developed in	High	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATELY HIGH	IIIe
Fauquier silt loam	residuum from massive greenstone and chloritic schist	0.32, 0.28	Bearing Capacity: moderate	percs slowly	CKOLLAND	mon	
7 - 15%	emornic senist	В	Shrink-swell Potential: moderate				
45D	Very deep, well drained, red clayey soils on moderately steep backslopes; developed in	Very high	FAIR	MARGINAL	PRIME PASTURE	MODERATELY HIGH	IVe
Fauquier silt loam	residuum from massive greenstone and chloritic schist	0.32, 0.28	steep slopes  Bearing Capacity: moderate	steep slopes percs slowly			
15-25 %		В	Shrink-swell Potential: moderate	r 0101			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EDOGION HAZADD	USE POTENTIAL AND PR	OBLEMS FOR	5	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
17D		36.1	GOOD	MARCRIA	DDH (E	MODERATELA	***
47B	Complex of very deep, well drained, micaceous, dark red clayey (Elioak) and red	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATELY HIGH	IIe
Elioak - Fauquier	clayey (Fauquier) soils on undulating summits	0.32, 0.28		Percs slow	CKOLLAND	mon	
complex	and gently sloping backslopes; developed in	***-, **-*	Bearing Capacity: low - moderate				
•	residuum from micaceous acid crystalline rock	C	Shrink-swell Potential: moderate				
2 - 7%	and chloritic schist						
47C	Complex of very deep, well drained,	High	GOOD	MARGINAL	SECONDARY	MODERATELY	IIIe
El' I E '	micaceous, dark red clayey (Elioak) and red	0.22, 0.20		D 1	CROPLAND	HIGH	
Elioak - Fauquier complex	clayey (Fauquier) soils on rolling summits and strongly sloping backslopes; developed in	0.32, 0.28	Bearing Capacity: low - moderate	Percs slow			
complex	residuum from micaceous acid crystalline rock	С	Shrink-swell Potential: moderate				
7 - 15%	and chloritic schist	C	Shrink Swen 1 dental. Inoderate				
47D**	Complex of very deep, well drained,	High	FAIR	MARGINAL	PRIME	MODERATELY	
	micaceous, yellowish-red clayey (Elioak) soils	0.22 0.20		,	PASTURE	HIGH	
Elioak - Fauquier	and red clayey (Fauquier) soils on moderately steep backslopes; developed in residuum from	0.32, 0.28	steep slopes	percs slow steep slopes			
complex	micaceous acid rocks (Elioak) and inclusions	С	Bearing Capacity: low - moderate Shrink-swell Potential: moderate	steep stopes			
15 - 25%	containing bands and stringers of greenstone	C	Silling-swell I decitial. Inoderate				
	(Fauquier)						
48A**	Complex of deep, moderately well drained,	Moderate	POOR	POOR	PRIME	MODERATELY	
	light yellowish-brown clay (Fletcherville) and				CROPLAND	HIGH	
Fletcherville –	deep, well drained, strong brown silty	0.32, 0.28 –	intermittent high water table and	high water table			
Myersville complex	(Myersville) soils in saddles and heads of	0.37, 0.32	high shrink-swell clays occur locally				
0 - 2 %	drainageways; developed in residuum from greenstone schist	D - B	Bearing Capacity: low - moderate Shrink-swell Potential: high				
0 2 /0	greenstone senist	ББ	Silling Swen I dental. Ingli				
48B	Complex of deep, moderately well drained,	Moderate	POOR	POOR	PRIME	MODERATELY	IIe
	light yellowish-brown clay (Fletcherville) and				CROPLAND	HIGH	
Fletcherville -	deep, well drained, strong brown silty	0.32, 0.28 –	intermittent high water table and	high water table			
Myersville complex	(Myersville) soils in saddles and heads of	0.37, 0.32	high shrink-swell clays occur locally				
2 7 0/	drainageways; developed in residuum from	D. D.	Bearing Capacity: low - moderate				
2 - 7 %	greenstone schist	D - B	Shrink-swell Potential: high				
48C**	Complex of deep, well drained, strong brown	High	POOR	POOR	SECONDARY	MODERATELY	
	silty (Myersville) and deep, moderately well	6			CROPLAND	HIGH	
Myersville -	drained, light yellowish-brown clay	0.37, 0.32 -	intermittent high water table and	high water table			
Fletcherville	(Fletcherville) soils on strongly sloping	0.32, 0.28	high shrink-swell clays occur locally				
complex	backslopes; developed in residuum from	p =	Bearing Capacity: moderate - low				
	greenstone schist	B - D	Shrink-swell Potential: high				
7 - 15 % 49C	SEE MAP UNIT 47C						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EDOGION HAZARR	USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
50A**	Vd	C1: -1-4	FAIR	POOR	DDIME	MODERATELY	п.
30A***	Very deep, moderately well drained, yellowish-brown loamy fragipan soil on broad,	Slight	FAIR	POOR	PRIME PASTURE	LOW	IIe
Goldvein fine	nearly level summits; developed in residuum	0.28, 0.28	intermittent high water table	high water table	THOTORE	Eo II	
gravely silt loam	from quartz monzonite and granite pegmatite	,	Bearing Capacity: moderate	fragipan			
0 ,		C	Shrink-swell Potential: moderate	0.1			
0 - 2%							
50B	Very deep, moderately well drained, yellowish-brown loamy fragipan soil on broad,	Slight	FAIR	POOR	PRIME PASTURE	MODERATELY LOW	IIIe
Goldvein fine	undulating summits and gently sloping	0.28, 0.28	intermittent high water table	high water table			
gravely silt loam	backslopes; developed in residuum from		Bearing Capacity: moderate	fragipan			
	quartz monzonite and granite pegmatite	C	Shrink-swell Potential: moderate				
2 - 7%							
50C	Very deep, moderately well drained,	Moderate	FAIR	POOR	PRIME	LOW	IVe
Goldvein fine	yellowish-brown loamy fragipan soil on strongly sloping backslopes; developed in	0.28, 0.28	intermittant high water table	intermittent high	PASTURE		
gravely silt loam	residuum from quartz monzonite and granite	0.26, 0.26	intermittent high water table  Bearing Capacity: moderate	water table fragipan			
gravery sitt toatii	pegmatite	С	Shrink-swell Potential: moderate	water table fragipan			
7 - 15%	pegmane	C	Sillink-swen i otentiai. moderate				
51D	Moderately deep, well drained, strong brown	High	VERY POOR	NOT SUITED	SECONDARY	LOW	VIs
	loamy soils containing more than 35% rock	C			PASTURE		
Stumptown-Rock	fragments and $10-20$ % rock outcrop on hilly	0.20, 0.10	steep slopes; shallow to rock	shallow to rock			
Outcrop complex	summits and moderately steep backslopes; soil		Bearing Capacity: moderate	steep slopes			
45 050	surface is covered with $0 - 15$ % flagstones	В	Shrink-swell Potential: low	rock outcrop			
15 - 25%	and/or boulders; developed from local creep						
	and residuum from interbedded quartzite, quartz muscovite schist and phyllite						
51E	Moderately deep, well drained, strong brown	Very High	VERY POOR	NOT SUITED	NOT SUITED	LOW	VIIe
SIL	loamy soils containing more than 35% rock	very ringin	VERTIOOR	NOTBUILD	NOTBUILD	LOW	VIIC
Stumptown-Rock	fragments and $10 - 20$ % rock outcrop on steep	0.20, 0.10	very steep slopes; shallow to rock				
Outcrop complex	backslopes; soil surface is covered with $0-15$		Bearing Capacity: moderate	shallow to rock			
	% flagstones and/or boulders; developed from	В	Shrink-swell Potential: low	very steep slopes			
25 - 45%	local creep and residuum from interbedded			rock outcrop			
	quartzite, quartz muscovite schist and phyllite						
52C	SEE MAP UNIT 53C						
52D	SEE MAP UNIT 53D						
52D2	SEE MAP UNIT 53D	36.1	0000	0000	DDD 4E	MODERATE	
53B**	Very deep, well drained, micaceous, dark brown loamy soils on undulating summits and	Moderate	GOOD	GOOD	PRIME CROPL AND	MODERATE	
Glenelg loam	gently sloping backslopes; developed in	0.32, 0.43	high mica content in substratum may		CROPLAND		
Gieneig ibani	residuum from micaceous acid crystalline	0.52, 0.45	interfere with compaction				
2 - 7%	rock	В	Bearing Capacity: moderate				
			Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
53C	Very deep, well drained, micaceous, dark	High	GOOD	GOOD	SECONDARY	MODERATE	IIIe
Glenelg loam	brown loamy soils on rolling summits and strongly sloping backslopes; developed in	0.32, 0.43	high mica content in substratum may		CROPLAND		
Glenerg toann	residuum from micaceous acid crystalline rock	0.32, 0.43	interfere with compaction				
7 - 15%	residual from inicaccous tera erystamine fock	В	Bearing Capacity: moderate Shrink-swell Potential: low				
53D	Very deep, well drained, micaceous, yellowish-red loamy soils on moderately steep	Very high	FAIR	MARGINAL	PRIME PASTURE	MODERATE	IVe
Glenelg loam	backslopes in dissected uplands; developed in	0.32, 0.43	high mica content in substratum may	Steep slopes	PASTURE		
Gieneig ioani	residuum from mica schist and mica gneiss	0.32, 0.13	interfere with compaction; steep	всер вюрев			
15 - 25%	•	В	slopes				
			Bearing Capacity: moderate Shrink-swell Potential: low				
525	CEEP AAA D AIRAGE AAD						
53E 53E3	SEE MAP UNIT 33E SEE MAP UNIT 33E						
54B	SEE MAP UNIT 55B						
54C	SEE MAP UNIT 55C						
55B	Very deep, well drained, micaceous, dark red clayey soils on broad summits and gently	Moderate	GOOD	GOOD	PRIME CROPLAND	MODERATE	IIe
Elioak loam	sloping backslopes; developed in residuum	0.32, 0.32	high mica content in substratum may				
	from micaceous acid crystalline rocks		interfere with compaction				
2 - 7%		С	Bearing Capacity: low				
			Shrink-swell Potential: moderate				
55C	Very deep, well drained, micaceous, dark red	High	GOOD	GOOD	SECONDARY	MODERATE	IIIe
	clayey soils on rolling summits and strongly	111611	3002	000 <i>D</i>	CROPLAND	MODERATE	1110
Elioak loam	sloping backslopes; developed in residuum	0.32, 0.32	high mica content in substratum may		- · · -		
	from micaceous acid crystalline rocks		interfere with compaction				
7 - 15%		С	Bearing Capacity: low Shrink-swell Potential: moderate				
55C3	SEE MAP UNIT 55C						
55D	SEE MAP UNIT 33D						
55D3	SEE MAP UNIT 33D						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	SI	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
56B**	Moderately deep, somewhat excessively drained, olive gray silty soils on undulating	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	LOW	
Cardova silt loam	summits and gently sloping backslopes; developed in residuum from black graphitic	0.37, 0.32	shallow to rock; high silt content (low bearing capacity); high	shallow to rock			
2 - 7%	schist	С	corrosivity to steel and concrete Bearing Capacity: low Shrink-swell Potential: low				
56C**	Moderately deep, somewhat excessively drained, olive gray silty soils on rolling	High	FAIR	POOR	SECONDARY CROPLAND	LOW	
Cardova silt loam	summits and strongly sloping backslopes; developed in residuum from black graphitic	0.37, 0.32	shallow to rock; high silt content (low bearing capacity); high	shallow to rock			
7-15%	schist	С	corrosivity to steel and concrete  Bearing Capacity: low  Shrink-swell Potential: low				
56D	Moderately deep, somewhat excessively drained, olive gray silty soils on hilly summits	Very High	POOR	POOR	PRIME PASTURE	LOW	IVe
Cardova silt loam	and moderately steep backslopes; developed in residuum from black graphitic schist	0.37, 0.32	shallow to rock; steep slopes; high silt content (low bearing capacity);	shallow to rock steep slopes			
15 - 25%	<b>3</b> 1	С	high corrosivity to steel and concrete Bearing Capacity: low Shrink-swell Potential: low				
56E**	Moderately deep, somewhat excessively	Very high	VERY POOR	NOT SUITED	SECONDARY	LOW	
Cardova silt loam	drained, olive gray silty soils on steep backslopes; developed in residuum from black graphitic schist	0.37, 0.32	shallow to rock; very steep slopes; high silt content (low bearing	shallow to rock	PASTURE		
25-45%	graphice senist	С	capacity); high corrosivity to steel and concrete Bearing Capacity: low Shrink-swell Potential: low	very steep slopes			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	John Characteristics and Ose Forential	1 0	USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
56F**	Moderately deep, somewhat excessively	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Cardova silt loam	drained, olive gray silty soils on very steep backslopes; developed in residuum from black graphitic schist	0.37, 0.32	shallow to rock; very steep slopes; high silt content (low bearing	shallow to rock very steep slopes			
45 - 65%		С	capacity); high corrosivity to steel and concrete Bearing Capacity: low Shrink-swell Potential: low				
57B	SEE MAP UNIT 55B						
57C	SEE MAP UNIT 55C						
58B	SEE MAP UNIT 53C						
58C	SEE MAP UNIT 53C						
58D	SEE MAP UNIT 53D						
58E	SEE MAP UNIT 33E						
59B**	Very deep, somewhat poorly drained, yellowish brown loamy soils with high water	Moderate	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	
Mongle loam, rubbly	tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from	0.37, 0.37 C	frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant	high water table			
2 - 7%	basic and acidic rocks; 15 – 50 % cobbles, stones and/or boulders cover the soil surface; may have HYDRIC soil inclusions		destructive potential during storm events Bearing Capacity: low Shrink-swell Potential: moderate				
59C	Very deep, somewhat poorly drained, yellowish brown loamy soils with high water	Moderate	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIs
Mongle loam, rubbly	tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from	0.37, 0.37 C	frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant	high water table			
7 - 15%	basic and acidic rocks; 15 – 50 % cobbles, stones and/or boulders cover the soil surface; may have HYDRIC soil inclusions		destructive potential during storm events Bearing Capacity: low Shrink-swell Potential: moderate				
60A**	Complex of moderately deep, well drained, loamy, dark yellowish brown (Ott) soil and	Slight	FAIR	NOT SUITED	SECONDARY CROPLAND	LOW	
Ott-Catlett complex 0 - 2%	shallow, well drained, loamy-skeletal, dark gray (Catlett) soils containing more than 35% rock fragments on nearly level summits and	0.37, 0.32 – 0.20, 0.15	shallow to rock  Bearing Capacity: moderate  Shrink-swell Potential: low	shallow to rock			
5 270	backslopes; developed in residuum from bluish-gray thermally altered Triassic shale	C – D	STOR A COMMINION				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

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MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
60B	Complex of moderately deep, well drained,	Moderate	FAIR	NOT SUITED	SECONDARY	LOW	IIIe
	loamy, dark yellowish brown (Ott) soil and				CROPLAND		
Ott-Catlett complex	shallow, well drained, loamy-skeletal, dark	0.37, 0.32 –	shallow to rock	shallow to rock			
2 70/	gray (Catlett) soils containing more than 35%	0.20, 0.15	Bearing Capacity: moderate				
2 - 7%	rock fragments on undulating summits and gently sloping backslopes; developed in residuum from bluish-gray thermally altered Triassic shale	C – D	Shrink-swell Potential: low				
60C	Complex of moderately deep, well drained, loamy, dark yellowish brown (Ott) soil and	High	FAIR	NOT SUITED	PRIME PASTURE	LOW	IVs
Ott-Catlett complex	shallow, well drained, loamy-skeletal, dark	0.37,0.32 $-$	shallow to rock	shallow to rock			
	gray (Catlett) soils containing more than 35%	0.20, 0.15	Bearing Capacity: moderate				
7 - 15%	rock fragments on strongly sloping		Shrink-swell Potential: low				
	backslopes; developed in residuum from	C - D					
60D**	bluish-gray thermally altered Triassic shale Shallow, well drained, grayish-brown loamy-	High	POOR	NOT SUITED	SECONDARY	LOW	
000.	skeletal soils containing more than 35% rock	High	TOOK	NOI SUITED	PASTURE	LOW	
Catlett gravelly silt	fragments on moderately steep backslopes;	0.20, 0.15	shallow soils over bedrock, steep	shallow to rock	11.0101.		
loam	developed in residuum from bluish-gray		slopes	steep slopes			
15 - 25%	thermally altered Triassic shale	D	Bearing Capacity: moderate Shrink-swell Potential: low				
61A**	Deep, well drained, dark yellowish brown silty soils on nearly level summits and backslopes;	Slight	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Brecknock silt loam	developed in residuum from bluish-gray thermally altered Triassic shale and siltstone	0.32, 0.32	low bearing capacity when wet (high silt content)	percs slowly	CROI EARLD		
0 - 2%	•	В	Bearing Capacity: low Shrink-swell Potential: low				
61B**	Deep, well drained, dark yellowish brown silty soils on undulating summits and gently sloping	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Brecknock silt loam	backslopes; developed in residuum from bluish-gray thermally altered Triassic shale	0.32, 0.32	low bearing capacity when wet (high silt content)	percs slowly			
2 - 7%	and siltstone	В	Bearing Capacity: low Shrink-swell Potential: low				
61C**	Deep, well drained, dark yellowish brown silty soils on rolling summits and strongly sloping	High	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Brecknock silt loam	backslopes; developed in residuum from bluish-gray thermally altered Triassic shale	0.32, 0.32	low bearing capacity when wet (high silt content)	percs slowly			
7 - 15%	and siltstone	В	Bearing Capacity: low Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		<u> </u>	USE POTENTIAL AND PRO	OBLEMS FOR	5	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
62A**	Moderately deep, moderately well to somewhat poorly drained, brown silty soils	Slight	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY LOW	
Sycoline silt loam	with intermittent high water tables on nearly level summits and backslopes; developed in	0.43, 0.43	intermittent high water table; low bearing capacities when wet;	high water table			
0 - 2%	residuum from bluish-gray thermally altered Triassic shale and siltstone; may have HYDRIC soil inclusions	D	shallow to rock  Bearing Capacity: low  Shrink-swell Potential: low				
62B	Moderately deep, moderately well to somewhat poorly drained, brown silty soils	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY LOW	IIw
Sycoline silt loam	with intermittent high water tables on undulating summits and gently sloping	0.43, 0.43	intermittent high water table; low bearing capacities when wet; shallow	high water table			
2 - 7%	backslopes; developed in residuum from bluish-gray thermally altered Triassic shale and siltstone; may have HYDRIC soil inclusions	D	to rock  Bearing Capacity: low  Shrink-swell Potential: low				
63A	Deep, somewhat poorly drained, yellowish- brown clay pan soils with intermittent high	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	IVw
Kelly silt loam	water tables on broad upland flats and concave areas; developed in old alluvial capping	0.37, 0.28	high shrink-swell clay layers in the subsoil; high water table; low relief	high water table			
0 - 2%	underlain by residuum from thermally-altered Triassic shale and granulite; may have HYDRIC soil inclusions	D	Bearing Capacity: low Shrink-swell Potential: very high				
63B**	Moderately deep, somewhat poorly drained, yellowish-brown clay pan soils with	Moderate	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Kelly Variant silt loam	intermittent high water tables on broad upland flats and concave areas; developed in old alluvial capping underlain by residuum from	0.37, 0.28 D	high shrink-swell clay layers in the subsoil; high water table; low relief <b>Bearing Capacity:</b> low	high water table			
2 - 7%	thermally-altered Triassic shale and granulite; may have HYDRIC soil inclusions		Shrink-swell Potential: very high				
63C**	Moderately deep, somewhat poorly drained, yellowish-brown clay pan soils with	High	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Kelly Variant silt loam	intermittent high water tables in saddles and heads of drainageways; developed in old	0.37, 0.28 D	high shrink-swell clay layers in the subsoil; high water table <b>Bearing Capacity:</b> low	high water table			
7 - 15%	alluvial capping underlain by residuum from thermally-altered Triassic shale and granulite; may have HYDRIC soil inclusions	Ū	Shrink-swell Potential: very high				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	j son characterishes and cae I eleman		USE POTENTIAL AND PR	OBLEMS FOR	SELECTED USES			
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS	
64B	Complex of well drained, moderately deep, yellowish-red, loamy skeletal (Oakhill)	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATE	IIIs	
Oakhill - Legore loams	containing more than 35% rock fragments in the subsoil and very deep, yellowish-red loamy	0.32, 0.28	shallow to rock	shallow to rock				
2 - 7%	(Legore) soils on broad summits; developed in residuum from basalt	В	Bearing Capacity: moderate Shrink-swell Potential: low					
64C	Moderately deep, well drained, yellowish-red loamy-skeletal soils containing more than 35%	Moderate	FAIR	POOR	PRIME PASTURE	MODERATE	IVe	
Oakhill loam	rock fragments in the subsoil on strongly	0.32, 0.28	shallow to rock	shallow to rock	TASTORE			
7 - 15%	sloping backslopes; developed in residuum from basalt	В	Bearing Capacity: moderate Shrink-swell Potential: low					
64D	Moderately deep, well drained, yellowish-red loamy-skeletal soils containing more than 35%	High	POOR	POOR	SECONDARY PASTURE	MODERATELY LOW	VIs	
Oakhill loam, stony	rock fragments in the subsoil on moderately	0.32, 0.28	shallow to rock; steep slopes	shallow to rock				
15 - 25%	steep backslopes; stones and cobbles cover $0.01 - 0.1\%$ of the soil surface; developed in residuum from basalt	В	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes				
64E**	Moderately deep, well drained, yellowish-red loamy-skeletal soils containing more than 35%	High	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW		
Oakhill loam, stony	rock fragments in the subsoil on steep backslopes; stones and cobbles cover 0.01 –	0.32, 0.28	shallow to rock; very steep slopes	shallow to rock				
25 - 45%	0.1% of the soil surface; developed in residuum from basalt	В	Bearing Capacity: moderate Shrink-swell Potential: low	very steep slopes				
65A**	Very deep, well drained, red clayey soils on nearly level summits and backslopes;	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATELY HIGH		
Montalto loam	developed in residuum from diabase and basalt	0.28, 0.28	Desire Consider law	percs slowly				
0- 2%		C	Bearing Capacity: low Shrink-swell Potential: moderate					
65B**	Very deep, well drained, red clayey soils on undulating summits and gently sloping	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATELY HIGH		
Montalto loam	backslopes; developed in residuum from diabase and basalt	0.28, 0.28	Bearing Capacity: low	percs slowly				
2- 7%	and desait	C	Shrink-swell Potential: moderate					
65C	Very deep, well drained, red clayey soils on rolling summits and strongly sloping	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATELY HIGH	IIIe	
Montalto loam	backslopes; developed in residuum from diabase and basalt	0.28, 0.28	Bearing Capacity: low	percs slowly	· - · · <del>-</del>	-		
7- 15%	and out of the control of the contro	C	Shrink-swell Potential: moderate					

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		USE POTENTIAL AND PROBLEMS FOR			SELECTED USES			
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS	
65C2	SEE MAP UNIT 65C							
66A	Very deep, poorly drained, light olive brown clay pan soils with intermittent high water	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	IVw	
Waxpool silt loam	tables on broad nearly level summits; developed in residuum from diabase and	0.43, 0.15	frequent ponding; extremely plastic shrink-swell clay pan in the subsoil;	high water table				
0 - 2%	basalt; HYDRIC SOIL	D	high water table; low relief  Bearing Capacity: low  Shrink-swell Potential: very high					
67A**	Very deep, moderately well drained, yellowish brown to olive brown clay pan soils with	Slight	VERY POOR	NOT SUITED	SECONDARY CROPLAND	MODERATE		
Jackland and	intermittent high water tables (Jackland)	0.32, 0.10 -	extremely plastic shrink-swell clay	high water table				
Haymarket silt	and/or very deep, well drained dark brown	0.37, 0.10	pan in the subsoil; intermittent high					
loams	clay pan soils (Haymarket) on nearly level	ъ.	water table					
	summits and backslopes; developed in residuum from diabase and basalt; may have	D	Bearing Capacity: low					
0 - 2%	HYDRIC soil inclusions <b>This map unit</b>		Shrink-swell Potential: very high					
0 - 270	will predominantly consist of Jackland							
	and/or Haymarket soils							
67B	Very deep, moderately well drained, yellowish	Moderate	VERY POOR	NOT SUITED	SECONDARY	MODERATE	IIe	
	brown to olive brown clay pan soils with				CROPLAND			
Jackland and	intermittent high water tables (Jackland)	0.32, 0.10 –	extremely plastic shrink-swell clay	high water table				
Haymarket silt	and/or very deep, well drained dark brown	0.37, 0.10	pan in the subsoil; intermittent high					
loams	clay pan soils (Haymarket) on undulating	D	water table					
	summits and gently sloping backslopes; developed in residuum from diabase and	D	Bearing Capacity: low Shrink-swell Potential: very high					
2 - 7%	basalt; may have HYDRIC soil inclusions		Sili ilik-swell r otential. Very lligh					
	This map unit will predominantly consist of							
	Jackland and/or Haymarket soils							
67C	Very deep, moderately well drained, yellowish	High	VERY POOR	NOT SUITED	PRIME	MODERATE	IIIe	
	brown to olive brown clay pan soils with				PASTURE			
Jackland and	intermittent high water tables (Jackland)	0.32, 0.10 –	extremely plastic shrink-swell clay	high water table				
Haymarket silt	and/or very deep, well drained dark brown	0.37, 0.10	pan in the subsoil; intermittent high					
loams	clay pan soils (Haymarket) on strongly sloping	D	water table					
	backslopes; developed in residuum from diabase and basalt <b>This map unit will</b>	ט	Bearing Capacity: low Shrink-swell Potential: very high					
7 - 15%	predominantly consist of Jackland and/or		Shi ink-swen i otentiai. Very lligh					
, 1570	Haymarket soils							

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	\$	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
68B	Very deep, moderately well drained, yellowish brown to olive brown clay pan soils with	Moderate	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATE LY LOW	VIs
Jackland and	intermittent high water tables (Jackland) and/or very deep, well drained dark brown	0.32, 0.10 – 0.37, 0.10	extremely plastic shrink-swell clay pan in the subsoil; intermittent high	high water table stone content			
Haymarket silt loams, very stony	clay pan soils (Haymarket) on undulating summits and gently sloping backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05 boulders; developed in residuum from	D	water table; large amount of stones and boulders on the surface Bearing Capacity: low Shrink-swell Potential: very high				
2 - 7%	diabase and basalt; may have HYDRIC soil inclusions This map unit will predominantly consist of Jackland and/or Haymarket soils		, ,				
68C	Very deep, moderately well drained, yellowish brown to olive brown clay pan soils with	Moderate	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	VIIs
Jackland and Haymarket silt	intermittent high water tables (Jackland) and/or very deep, well drained dark brown clay pan soils (Haymarket) on strongly sloping	0.32, 0.10 – 0.37, 0.10	extremely plastic shrink-swell clay pan in the subsoil; intermittent high water table; large amount of stones	high water table stone content			
loams, very stony 7 -15%	backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05 boulders; developed in residuum from diabase and basalt This map unit will predominantly contain	D	and boulders on the surface  Bearing Capacity: low  Shrink-swell Potential: very high				
69A	Jackland and/or Haymarket soils  Deep, poorly drained, dark gray clay pan soils in drainageways; formed in alluvium and	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	Vw
Elbert silt loam	residuum from diabase and basalt; HYDRIC SOIL	0.43, 0.24	frequent flooding; occasional ponding; concentrated runoff from	high water table	TASTORE		
0 - 2%		D	higher areas; high shrink-swell clays; high water table; low relief Bearing Capacity: low Shrink-swell Potential: very high				
70A	Deep, somewhat poorly drained, yellowish- brown loamy over clayey soils on nearly level	Slight	POOR	NOT SUITED	PRIME PASTURE	MODERATE	IVw
Mt. Lucas loam	summits and footslopes; developed in colluvium over residuum from basalt and	0.32, 0.28	high water table; shrink-swell clay may occur in lower subsoil	high water table			
0 - 2%	diabase; may have HYDRIC soil inclusions	С	Bearing Capacity: low Shrink-swell Potential: high				
70B	SEE MAP UNIT 70A						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
71A**	Deep, well drained, reddish-brown silty soils	C1: abt	GOOD	MARGINAL	PRIME	MODERATE	
/1A***	on nearly level summits; developed in	Slight	GOOD	MARGINAL	CROPLAND	MODERATE	
Panorama silt loam	residuum from red Triassic shale, siltstone and	0.37, 0.32	low bearing capacity when wet (high	percs slowly			
0 - 2%	fine-grained sandstone	В	silt content)  Bearing Capacity: low  Shrink-swell Potential: low				
71B	Deep, well drained, reddish-brown silty soils on undulating summits and gently sloping	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	IIe
Panorama silt loam	backslopes; developed in residuum from red Triassic shale, siltstone and fine-grained	0.37, 0.32	low bearing capacity when wet (high silt content)	percs slowly			
2 - 7%	sandstone	В	Bearing Capacity: low Shrink-swell Potential: low				
71C**	Deep, well drained, dark reddish-brown silty soils rolling summits and strongly sloping	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	
Panorama silt loam	backslopes; developed in residuum from red Triassic shale and sandstone	0.37, 0.32	low bearing capacity when wet (high silt content)	percs slowly			
7 - 15%		В	Bearing Capacity: low Shrink-swell Potential: low				
72C	SEE MAP UNIT 76C						
73A**	Moderately deep, well drained, red silty soils on nearly level summits, developed in	Slight	GOOD	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Penn loam	residuum from Triassic shale, siltstone and	0.32, 0.24	Paris Compiter and and	shallow to rock			
0 - 2%	fine-grained sandstone	C	Bearing Capacity: moderate Shrink-swell Potential: low	snallow to rock			
73B	Moderately deep, well drained, red silty soils on undulating summits and gently sloping	Moderate	GOOD	POOR	SECONDARY CROPLAND	MODERATELY LOW	IIe
Penn loam	backslopes, developed in residuum from	0.32, 0.24			GROT ELLIND	2011	
2 - 7%	Triassic shale, siltstone and fine-grained sandstone	С	Bearing Capacity: moderate Shrink-swell Potential: low	shallow to rock			
73C	Moderately deep, well drained, red silty soils on strongly sloping backslopes, developed in	High	GOOD	POOR	SECONDARY CROPLAND	MODERATELY LOW	IIIe
Penn loam	residuum from Triassic shale, siltstone and fine-grained sandstone	0.32, 0.24	Bearing Capacity: low	shallow to rock	CROILIND	2011	
7 - 15%	· 8 · · · · · · · · · · · · · · · · · ·	C	Shrink-swell Potential: moderate				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

,			USE POTENTIAL AND PRO	OBLEMS FOR	\$	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
73D**	Moderately deep, well drained, red silty soils on moderately steep backslopes, developed in	Very High	FAIR	POOR	PRIME PASTURE	MODERATELY LOW	
Penn loam	residuum from Triassic shale, siltstone and fine-grained sandstone	0.32, 0.24	steep slopes	shallow to rock steep slopes			
15 – 25%	fine-grained sandstone	C	Bearing Capacity: moderate Shrink-swell Potential: low	steep stopes			
74A**	Moderately deep, moderately well drained, strong brown silty soils with intermittent high	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Ashburn silt loam	water tables on broad, nearly level upland flats; developed from thin fluvial capping over	0.37, 0.24	intermittent high water table; low bearing capacity when wet due to	shallow to rock water table			
0 - 2%	Triassic siltstone, fine grained sandstone and shale	С	high silt content and/or shrink-swell clay in lower horizon  Bearing Capacity: low  Shrink-swell Potential: moderate	water table			
74B	Moderately deep, moderately well drained, strong brown silty soils with intermittent high	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	IIe
Ashburn silt loam	water tables on broad undulating summits and gently sloping backslopes; developed from	0.37, 0.24	intermittent high water table ; low bearing capacity when wet	shallow to rock water table			
2 - 7%	thin fluvial capping over Triassic siltstone, fine grained sandstone and shale	С	Bearing Capacity: low Shrink-swell Potential: moderate				
75A**	Very deep, well drained, dark-red and reddish- yellow clayey soils on nearly level summits;	Slight	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Clover loam	developed in residuum from Triassic	0.32, 0.28	Description Comparison and source	percs slowly			
0 - 2%	conglomerate, siltstone and shale	В	Bearing Capacity: moderate Shrink-swell Potential: moderate				
75B	Very deep, well drained, dark-red and reddish yellow clayey soils on broad, undulating	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	IIe
Clover loam	summits; developed in residuum from Triassic	0.32, 0.28		percs slowly			
2 - 7%	conglomerate, shale and siltstone	В	Bearing Capacity: moderate Shrink-swell Potential: moderate				
75C	Very deep, well drained, dark-red and reddish yellow clayey soils on strongly sloping	High	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	IIIe
Clover loam	backslopes; developed in residuum from	0.32, 0.28		percs slowly	31.01 2.11 (D		
7 - 15%	Triassic conglomerate, shale and siltstone	В	Bearing Capacity: moderate Shrink-swell Potential: moderate				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EDOCIONI II A ZADD	USE POTENTIAL AND PRO	OBLEMS FOR	ELEMS FOR SELECTED USES				
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS		
75D**	Very deep, well drained, dark-red and reddish- yellow clayey soils on moderately steep	High	FAIR	MARGINAL	PRIME PASTURE	MODERATE			
Clover loam	backslopes; developed in residuum from	0.32, 0.28	steep slopes	percs slowly	FASTURE				
Clover loani	interbedded Triassic conglomerate, shale and	0.32, 0.20	Bearing Capacity: moderate	steep slopes					
15 - 25%	siltstone	В	Shrink-swell Potential: moderate	F					
76B	Complex of very deep (Sudley) and	Moderate	GOOD	MARGINAL	PRIME	MODERATE	IIe		
	moderately deep (Oatlands) well drained				CROPLAND				
Sudley - Oatlands	strong brown to reddish-brown loamy soils on	0.37, 0.28 –		shallow to rock					
complex	undulating summits and gently sloping	0.24, 0.24	Bearing Capacity: moderate						
2 70/	backslopes; developed in residuum from	ъ	Shrink-swell Potential: low						
2 - 7% 76C	Triassic conglomerate and sandstone	B Moderate	GOOD	MARGINAL	SECOND A DAY	MODERATE	IIIe		
/6C	Complex of very deep (Sudley) and moderately deep (Oatlands) well drained	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	me		
Sudley - Oatlands	strong brown to reddish-brown loamy soils on	0.37, 0.28 –		shallow to rock	CROILAND				
complex	rolling summits and strongly sloping	0.24, 0.24	Bearing Capacity: moderate						
1	backslopes; developed in residuum from		Shrink-swell Potential: low						
7 - 15%	Triassic conglomerate and sandstone	В							
76D**	Complex of very deep (Sudley) and	High	GOOD	MARGINAL	PRIME	MODERATELY			
	moderately deep (Oatlands) well drained				PASTURE	LOW			
Sudley - Oatlands	strong brown to reddish-brown loamy soils on	0.37, 0.28 –		shallow to rock					
complex	moderately steep backslopes; developed in	0.24, 0.24	Bearing Capacity: moderate	steep slopes					
15 250/	residuum from Triassic conglomerate and	ъ	Shrink-swell Potential: low						
15 - 25% 77A**	sandstone  Moderately deep, well drained dark red silty	B Slight	FAIR	POOR	PRIME	MODERATELY			
//A***	soil (Arcola) and shallow, well to excessively	Silgili	FAIR	POOR	PASTURE	LOW			
Arcola - Nestoria	drained, yellowish red silty soil containing	0.32, 0.10	shallow to rock; little soil available	shallow to rock	TASTURE	LOW			
complex	more than 35% rock fragments in the subsoil	0.52, 0.10	for landscaping or grading	sharrow to rock					
· · · · · · · · · · · · · · · · · · ·	(Nestoria), on nearly level summits; developed	C - D	Bearing Capacity: low - moderate						
0 - 2%	in residuum from Triassic siltstone and shale		Shrink-swell Potential: low						
77B**	Moderately deep, well drained dark red silty	Moderate	FAIR	POOR	PRIME	MODERATELY			
	soil (Arcola) and shallow, well to excessively				PASTURE	LOW			
Arcola - Nestoria	drained, yellowish red silty soil containing	0.32, 0.10	shallow to rock; little soil available	shallow to rock					
complex	more than 35% rock fragments in the subsoil	G D	for landscaping or grading						
2 - 7%	(Nestoria), on undulating summits and gently	C - D	Bearing Capacity: low-moderate Shrink-swell Potential: low						
2 - 170	sloping backslopes; developed in residuum from Triassic siltstone and shale		Surink-swen Potential: 10W						
77B3**	Moderately deep, well drained dark red silty	High	POOR	NOT SUITED	SECONDARY	MODERATELY			
,,,,,	soil (Arcola) and shallow, well to excessively	111511	2002		PASTURE	LOW			
Arcola - Nestoria	drained, yellowish red silty soil containing	0.32, 0.10	shallow to rock; little soil available	shallow to rock					
complex, gullied	more than 35% rock fragments in the subsoil	*	for landscaping or grading; gullies						
	(Nestoria), with gullies on gently sloping	C - D	Bearing Capacity: low-moderate						
2 - 7%	backslopes; developed in residuum from		Shrink-swell Potential: low						
	Triassic siltstone and shale								

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			USE POTENTIAL AND PRO	OBLEMS FOR	\$	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
77C	Moderately deep, well drained dark red silty soil (Arcola) and shallow, well to excessively	High	FAIR	POOR	SECONDARY PASTURE	MODERATELY LOW	IIIe - IVe
Arcola - Nestoria complex	drained, yellowish red silty soil containing more than 35% rock fragments in the subsoil	0.32, 0.10	shallow to rock; little soil available for landscaping or grading	shallow to rock	TAGTORE	1011	
7 - 15%	(Nestoria), with gullies on strongly sloping backslopes; developed in residuum from	C – D	Bearing Capacity: low-moderate Shrink-swell Potential: low				
77C2	Triassic siltstone and shale SEE MAP UNIT 77C						
77C3**	Shallow, well to excessively drained (Nestoria), and moderately deep, well drained	High	POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Nestoria – Arcola complex, gullied	(Arcola) eroded reddish-brown silty soils with gullies on strongly sloping convex backslopes	0.32, 0.10	shallow to rock; little soil available for landscaping or grading; gullies	shallow to rock			
7 - 15%	in dissected terrain; developed in residuum from Triassic siltstone and shale	D - C	Bearing Capacity: moderate - low Shrink-swell Potential: low				
77D**	Shallow, well to excessively drained reddish- brown loamy soils containing more than 35%	Very High	POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Nestoria gravelly	rock fragments on moderately steep	0.32, 0.10	shallow to rock; steep slopes; little	shallow to rock			
loam 15 - 25%	backslopes; developed in residuum from Triassic siltstone and shale	D	soil material available for landscaping or grading Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
			Sili ilik-swell i otential. 10w				
77D2	SEE MAP UNIT 77E						
77E	Shallow, well to excessively drained reddish- brown loamy soils containing more than 35%	Very high	POOR	NOT SUITED	SECONDARY PASTURE	LOW	VIIe
Nestoria gravelly	rock fragments on steep backslopes; developed	0.32, 0.10	shallow to rock; very steep slopes;	shallow to rock			
loam	in residuum from Triassic siltstone and shale	D	little soil material available for landscaping or grading	very steep slopes			
25 - 45%		D	Bearing Capacity: moderate Shrink-swell Potential: low				
78A	Deep, moderately well and somewhat poorly drained, light yellowish-brown clayey soils	Slight	VERY POOR may be within 100-year floodplain;	NOT SUITED	PRIME PASTURE	MODERATELY LOW	IVw
	with intermittent high water table water tables	0.43, 0.43	frequent flooding; occasional	high water table;	IASTURE	LOW	
Dulles silt loam	on broad, nearly level interfluves and concave areas; developed in local colluvium and	D	ponding; high water table; low relief; low	landscape position (swale)			
0 - 2%	residuum from red Triassic shale and sandstone; may have HYDRIC soil inclusions		bearing capacity when wet due to high silt content and shrink-swell clay in the subsoil Bearing Capacity: low Shrink-swell Potential: high	. ,			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	9	SELECTED USES		
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS	
79A	Deep, poorly drained, mottled reddish-brown and gray clayey soils with intermittent high	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	Vw	
Albano silt loam	water table water tables on upland flats and in drainageways; developed in local alluvium and	0.37, 0.32	may be within 100-year floodplain; frequent flooding; occasional	high water table				
0 - 2%	residuum from red Triassic shale and sandstone; HYDRIC SOIL	D	ponding; concentrated runoff from higher areas; high water table; low relief; low bearing capacities when wet (high silt content) and high shrink-swell clay in the subsoil Bearing Capacity: low Shrink-swell Potential: high					
80B	SEE MAP UNIT 76B							
80C	SEE MAP UNIT 76C							
81B	Very deep, moderately well drained, light yellowish-brown to strong brown loamy soils	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATE	IIe	
Brumbaugh loam	on footslopes and toeslopes of mountains and in broad gently sloping interfluves; semi-	0.28, 0.20	intermittent high water table  Bearing Capacity: moderate	high water table				
2 - 7%	rounded stones make up 5-50% of the soil; developed in old mountain colluvium from mixed acidic and basic rocks	В	Shrink-swell Potential: low					
81C	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes and	Moderate	FAIR	POOR	PRIME PASTURE	MODERATE	IIIe	
Brumbaugh loam	toeslopes of mountains and in broad, strongly sloping interfluves; semi-rounded stones make	0.28, 0.20	intermittent high water table  Bearing Capacity: moderate	high water table				
7 - 15%	up 5-50% of the soil; developed in old mountain colluvium from mixed acidic and basic rocks	В	Shrink-swell Potential: low					
82B	Very deep, somewhat poorly drained, brownish yellow loamy soils on gently sloping	Moderate	VERY POOR	NOT SUITED	PRIME PASTURE	MODERATELY LOW	IVw	
Scattersville loam, stony	footslopes; soil surface is covered by 0.01 – 0.1% stones; developed in colluvium from	0.32, 0.28	high water table; stoniness; overland flow - significant destructive	high water table				
2 - 7%	felsic to mafic crystalline rock; may have HYDRIC soil inclusions	С	potential during flooding events  Bearing Capacity: low  Shrink-swell Potential: moderate					

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	5	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
82C**	V	Madanta	VERY POOR	NOT SUITED	PRIME	MODERATELY	11/
82C***	Very deep, somewhat poorly drained, brownish yellow loamy soils on strongly	Moderate	VER I POOR	NOT SUITED	PASTURE	LOW	IVw
Scattersville loam,	sloping footslopes; soil surface is covered by	0.32, 0.28	high water table; stoniness; overland	high water table	111510112	20	
stony	0.01-0.1% stones; developed in colluvium		flow - significant destructive	-			
7 150/	from felsic to mafic crystalline rock; may have	C	potential during flooding events				
7 - 15%	HYDRIC soil inclusions		Bearing Capacity: low Shrink-swell Potential: moderate				
83C	Very deep, well drained reddish-brown clayey soils on footslopes, broad, rolling summits and	Moderate	FAIR	MARGINAL	PRIME PASTURE	MODERATELY LOW	IVs
Braddock gravelly	strongly sloping backslopes; rounded stones	0.28, 0.24	stoniness	percs slowly	TASTORL	LOW	
loam; stony	make up 0 - 50% of the soil mass; soil surface		Bearing Capacity: low	stoniness			
	is covered by $0.01 - 0.1\%$ stones with some	В	Shrink-swell Potential: moderate				
7 - 15%	cobbles and gravel; developed in old colluvium from mixed acidic and basic rocks						
83D**		TT: -1.	FAIR	MARGINAL	SECONDARY	MODERATELY	IVs
830***	Very deep, well drained reddish-brown clayey soils on moderately steep backslopes; rounded	High	FAIR	MARGINAL	PASTURE	LOW	1 V S
Braddock gravelly	stones make up 0 - 50% of the soil mass; soil	0.28, 0.24	steep slopes, stoniness	percs slowly	THETCHE	2011	
loam; stony	surface is covered by $0.01 - 0.1\%$ stones with		Bearing Capacity: low	stoniness			
	some cobbles and gravel; developed in old	В	Shrink-swell Potential: moderate	steep slopes			
7 - 15% 84C	colluvium from mixed acidic and basic rocks  Very deep, well drained reddish-brown clayey	M - 1	VERY POOR	POOR	SECONDARY	MODERATELY	VIIs
84C	soils on footslopes, broad, rolling summits and	Moderate	VERY POOR	POOR	PASTURE	LOW	VIIS
Braddock gravelly	strongly sloping backslopes; rounded stones	0.28, 0.24	stoniness; little soil material	stoniness	THETCHE	2011	
loam; very stony	make up 0 - 50% of the soil mass; soil surface	,	available for landscaping or grading	percs slowly			
	is covered by $0.1 - 3\%$ stones with some	В	Bearing Capacity: low				
7 150/	cobbles and gravel; developed in old		Shrink-swell Potential: moderate				
7 - 15% 85C2	colluvium from mixed acidic and basic rocks SEE MAP UNIT 83C						
86C2	SEE MAP UNIT 83C						
87B**	Very deep, well drained, dark yellowish-brown	Moderate	FAIR	MARGINAL	SECONDARY	MODERATELY	
	soils on footslopes and benches; semi-rounded				CROPLAND	HIGH	
Tate loam	stones and cobbles make up 5-50% of the soil;	0.28, 0.24	some areas are subject to overland	landscape position			
2 70/	developed in recent colluvium from granitic	D	flow; significant destructive				
2 - 7%	rocks	В	potential during storm events if at the base of long steep slopes				
			Bearing Capacity: moderate				
			Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EDOGION HAZADO	USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILIT CLASS
87C	Very deep, well drained, dark yellowish brown soils on footslopes and benches; semi-rounded	Moderate	FAIR	MARGINAL	PRIME PASTURE	MODERATELY HIGH	IVe
Tate loam	stones and cobbles make up 5-50% of the soil mass; developed in recent colluvium from	0.28, 0.24	some areas are subject to overland flow; significant destructive	landscape position			
7- 15%	granitic rocks	В	potential during storm events  Bearing Capacity: moderate  Shrink-swell Potential: low				
87D**	Very deep, well drained, dark yellowish brown soils on steep footslopes; semi-rounded stones	Severe	FAIR	MARGINAL	PRIME PASTURE	MODERATELY HIGH	
Tate loam	and cobbles make up 5-50% of the soil mass; developed in recent colluvium from granitic	0.28, 0.24	some areas are subject to overland flow; significant destructive	landscape position			
15- 25%	rocks	В	potential during storm events  Bearing Capacity: moderate  Shrink-swell Potential: low				
88C	Very deep, well drained yellowish-red soils in swales, saddles and drainageways; rock	Moderate	VERY POOR	MARGINAL	SECONDARY PASTURE	MODERATELY HIGH	VIIs
Lew gravelly silt	fragments average more than 35% in the soil	0.17, 0.15	subject to slippage; unstable when	steep slopes: percs			
loam, very stony 7 - 15%	mass; soil surface is covered by 0.05 – 4% stones with some gravels, cobbles and boulders; developed from recent mountain colluvium of greenstone rock material	В	undercut  Bearing Capacity: moderate  Shrink-swell Potential: low	slow, lateral groundwater flow			
88D**	Very deep, well drained yellowish-red soils on moderately steep back slopes; rock fragments	High	VERY POOR	MARGINAL	SECONDARY PASTURE	MODERATELY HIGH	VIIs
Lew gravelly silt	average more than 35% in the soil mass; soil	0.17, 0.15	subject to slippage; unstable when	steep slopes: percs			
loam, very stony	surface is covered by $0.05 - 4\%$ stones with some gravels, cobbles and boulders; developed	В	undercut; steep slope  Bearing Capacity: moderate	slow, lateral groundwater flow			
15 - 25%	from recent mountain colluvium of greenstone rock material		Shrink-swell Potential: low				
88E**	Very deep, well drained yellowish-red soils on steep back slopes; rock fragments average	Very High	VERY POOR	NOT SUITED	NOT SUITED	MODERATE	VIIe
Lew gravelly silt	more than 35% in the soil mass; soil surface is	0.17, 0.15	subject to slippage; unstable when	very steep slopes:			
loam, very stony	covered by 0.05 – 4% stones with some gravels, cobbles and boulders; developed from	В	undercut; very steep slope  Bearing Capacity: moderate	percs slow, lateral groundwater flow			
25 - 45%	recent mountain colluvium of greenstone rock material	Б	Shrink-swell Potential: low	510unawater 110W			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

•			USE POTENTIAL AND PRO	OBLEMS FOR		SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
89C	Deep, well drained strong brown loamy-	Moderate	FAIR	GOOD	SECONDARY	MODERATELY	VIIs
690	skeletal soils on strongly sloping backslopes	Moderate	PAIR	GOOD	PASTURE	LOW	V 118
Weverton gravelly	and benches; gravels and flagstones range	0.15, 0.10	stoniness				
loam, very stony	from 15 – 70% of the soil mass; soil surface is	C	Bearing Capacity: moderate				
7 - 15%	covered with 0.1 – 4% flagstones; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	С	Shrink-swell Potential: low				
89D	Deep, well drained strong brown loamy- skeletal soils on moderately steep backslopes;	High	FAIR	MARGINAL	SECONDARY PASTURE	MODERATELY LOW	VIIs
Weverton gravelly	gravels and flagstones range from 15 - 70% of	0.15, 0.10	steep slopes; stoniness	steep slopes			
loam, very stony	the soil mass; soil surface is covered with 0.1 –	C	Bearing Capacity: moderate				
15 - 25%	4% flagstones; formed in colluvium from interbedded quartzite, quartz muscovite schist	С	Shrink-swell Potential: low				
10 20 70	and phyllite						
93A**	Very deep, moderately well to somewhat poorly drained, yellowish-brown clayey soils	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY HIGH	
Delanco loam	with high water tables on nearly level low terraces along major streams; developed in old	0.28, 0.28	high water table  Bearing Capacity: low	high water table			
0 - 2%	alluvium washed from uplands underlain by a wide variety of rocks common to the county; may have HYDRIC soils inclusions	С	Shrink-swell Potential: moderate				
93B	Very deep, moderately well to somewhat poorly drained, yellowish-brown clayey soils	High	FAIR	POOR	SECONDARY CROPLAND	MODERATELY HIGH	IIe
Delanco loam	with intermittent high water table water tables on gently sloping low terraces along major	0.28, 0.28	may be within 100-year floodplain; rare flooding; intermittent high water	high water table			
2 - 7%	streams; developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county; may have HYDRIC soil inclusions.	С	table  Bearing Capacity: low  Shrink-swell Potential: moderate				
94B	Very deep, well drained, strong brown loamy soils on low terraces along major streams,	Moderate	FAIR	MARGINAL	PRIME CROPLAND	MODERATELY HIGH	IIe
Elsinboro loam	developed in old alluvium washed from uplands underlain by a wide variety of rocks	0.28, 0.28	may be within 100-year floodplain; rare flooding	infrequent flood hazard			
2 - 7%	common to the county	В	Bearing Capacity: moderate Shrink-swell Potential: low				
95B	SEE MAP UNIT 97B						
96C3	SEE MAP UNIT 97B						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
97B	Very deep, well drained, dark red clayey soils on gently sloping high river terrace positions;	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	IIe
Goresville loam	developed in old alluvium washed from	0.32, 0.24		percs slowly	CKOFLAND		
Gores, me ioum	uplands underlain by a wide variety of rocks	0.02, 0.2	Bearing Capacity: moderate	peres sio wiy			
2 - 7%	common to the county	В	Shrink-swell Potential: moderate				
97C2	SEE MAP UNIT 97B						
98B	SEE MAP UNIT 93B						
110A**	Very deep, poorly drained, gray and yellowish brown clayey soils with high water tables in	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATE	
Mongle Variant silt	concave landscapes, along small drainageways	0.37, 0.37	may be within 100-year floodplain;	high water table			
loam	and on alluvial fans; developed in recent		frequent flooding; frequent ponding;				
	colluvium/alluvium washed from basic and	C	concentrated runoff from higher				
0 - 2%	acidic rocks; HYDRIC SOIL		areas; prolonged high water table;				
			overland flow-significant destructive potential during flooding events				
			Bearing Capacity: low				
			Shrink-swell Potential: high				
116B**	Very deep, moderately well to well drained,	Moderate	POOR	NOT SUITED	SECONDARY	MODERATE	
	yellowish-brown to reddish-brown silty soils				PASTURE		
Meadowville silt	with intermittent high water tables in concave	0.37, 0.32	frequent flooding; concentrated	landscape position			
loam; very stony	uplands and along small drainageways; 0.1 –	ъ.	runoff from higher areas; intermittent				
0 70/	3% stones and cobbles cover the soil surface;	В	high water table; low bearing				
2 - 7%	developed in recent colluvium and local wash from acid rock materials; may have HYDRIC		capacity when wet  Bearing Capacity: moderate				
	soil inclusions		Shrink-swell Potential: low				
116C**	Very deep, moderately well to well drained,	High	POOR	NOT SUITED	SECONDARY	MODERATE	
	yellowish-brown to reddish-brown silty soils				PASTURE		
Meadowville silt	with intermittent high water tables in concave	0.37, 0.32	frequent flooding; concentrated	landscape position			
loam; very stony	uplands and along small drainageways; 0.1 –	ъ.	runoff from higher areas; intermittent				
7 150/	3% stones and cobbles cover the soil surface;	В	high water table; low bearing				
7 - 15%	developed in recent colluvium and local wash from acid rock materials; may have HYDRIC		capacity when wet  Bearing Capacity: moderate				
	soil inclusions		Shrink-swell Potential: low				
	son metasions		om mr-swen i otential. 10w				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

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MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
117B**	Very deep, well drained, brown loamy soils in concave swales and along small drainageways	Moderate	POOR	NOT SUITED	SECONDARY PASTURE	HIGH	
Middleburg loam;	; 0.1 – 3% stones and cobbles cover the soil	0.37, 0.32	frequent flooding; concentrated	landscape position	FASTURE		
very stony	surface; developed in recent colluvium from	,	runoff from higher areas; low				
	mixed basic and acidic rock; may have	В	bearing capacity when wet				
2 - 7%	HYDRIC soil inclusions		Bearing Capacity: moderate Shrink-swell Potential: low				
117C**	Very deep, well drained, brown loamy soils in concave swales and along small drainageways;	Moderate	POOR	NOT SUITED	SECONDARY PASTURE	HIGH	
Middleburg loam;	0.1 - 3% stones and cobbles cover the soil	0.37, 0.32	frequent flooding; concentrated	landscape position			
very stony	surface; developed in recent colluvium from	D	runoff from higher areas; low				
7 - 15%	mixed basic and acidic rock; may have HYDRIC soil inclusions	В	bearing capacity when wet;  Bearing Capacity: moderate				
7 1370	111 Date son metasions		Shrink-swell Potential: low				
1200	GET MAD ANAME AND						
120C 120D	SEE MAP UNIT 20C SEE MAP UNIT 20D						
121B**	Moderately deep (Pigeonroost) and very deep	Moderate	FAIR	MARGINAL	SECONDARY	MODERATE	
1215	(Edneytown), well drained, yellowish-brown	Wioderate	TAIK	WINGHVIL	PASTURE	MODERATE	
Pigeonroost –	loamy soils on undulating summits and gently	0.28, 0.24	shallow to rock; stoniness	shallow to rock			
Edneytown	sloping backslopes of the Blue Ridge; rock		Bearing Capacity: moderate				
complex, very stony	outcrops cover 0.01–0.1% and loose stones	В	Shrink-swell Potential: low				
2 70/	cover 0.1-3% of the surface; developed in						
2 - 7% 121C	residuum from granite and granite gneiss  Moderately deep (Pigeonroost) and very deep	Moderate	FAIR	MARGINAL	SECONDARY	MODERATE	VIIs
1210	(Edneytown), well drained, yellowish-brown	Moderate	PAIR	WAKGINAL	PASTURE	WODERATE	VIIS
Pigeonroost –	loamy soils on rolling summits and strongly	0.28, 0.24	shallow to rock; stoniness	shallow to rock			
Edneytown	sloping backslopes of the Blue Ridge; rock		Bearing Capacity: moderate				
complex, very stony	outcrops cover $0.01 - 0.1\%$ and loose stones	В	Shrink-swell Potential: low				
7 150/	cover 0.1 - 3% of the surface; developed in						
7 - 15% 121D	residuum from granite and granite gneiss  Moderately deep (Pigeonroost) and very deep	High	POOR	MARGINAL	SECONDARY	MODERATE	VIIs
1210	(Edneytown), well drained, yellowish-brown	nigii	TOOK	WARGINAL	PASTURE	MODERATE	V 118
Pigeonroost –	loamy soils on moderately steep backslopes of	0.28, 0.24	shallow to rock; steep slopes	steep slopes			
Edneytown	the Blue Ridge; rock outcrops cover 0.01-		Bearing Capacity: moderate	shallow to rock			
complex, very stony	0.1% and loose stones cover 0.1-3% of the	В	Shrink-swell Potential: low				
15 250/	surface; developed in residuum from granite						
15 - 25%	and granite gneiss						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

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MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS	
1015				Nom at times	Nom at times	MODER (MELL)		
121E	Moderately deep, well drained, yellowish-	Very high	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIe	
Pigeonroost loam,	brown loamy soils on steep backslopes of the Blue Ridge; rock outcrops cover 0.01–0.1%	0.28, 0.24	shallow to rock; very steep slopes	very steep slopes		LOW		
very stony	and loose stones cover 0.1 - 3% of the surface;	0.26, 0.24	Bearing Capacity: moderate	shallow to rock				
very storry	developed in residuum from granite and	В	Shrink-swell Potential: low	shanow to lock				
25 - 45%	granite gneiss	D	Shrink-swell I decitial. 10w					
123B	SEE MAP UNIT 23B							
123C**	SEE MAP UNIT 23C							
125B**	Moderately deep, excessively drained light	Moderate	POOR	POOR	SECONDARY	VERY LOW		
1232	yellowish-brown loamy soils on undulating	Moderate	1001	rook	PASTURE	VERT EOW		
Hazel very stony	summits and gently sloping backslopes; loose	0.28, 0.24	shallow to rock; stoniness; rock-	shallow to rock				
loam; rocky	stones cover 0.1-5% and rock outcrop 0.1 –		outcrop					
•	3% of the surface; developed in residuum from	C	Bearing Capacity: moderate					
2 - 7%	meta-arkosic sandstone		Shrink-swell Potential: low					
125C	Moderately deep, excessively drained light	Moderate	POOR	POOR	SECONDARY	VERY LOW	VIs	
	yellowish-brown loamy soils on rolling				PASTURE			
Hazel very stony	summits and strongly sloping backslopes;	0.28, 0.24	shallow to rock; stoniness; rock-	shallow to rock				
loam; rocky	loose stones cover 0.1-5% and rock outcrop		outcrop					
	0.1 – 3% of the surface; developed in residuum	С	Bearing Capacity: moderate					
7 - 15%	from meta-arkosic sandstone		Shrink-swell Potential: low					
125D	Moderately deep, excessively drained light	High	POOR	POOR	SECONDARY	VERY LOW	VIIs	
123D	yellowish-brown loamy soils on narrow	High	TOOK	TOOK	PASTURE	VERT LOW	V 115	
Hazel very stony	summits and moderately steep backslopes;	0.28, 0.24	shallow to rock; stoniness; rock-	shallow to rock	TABTURE			
loam; rocky	loose stones cover 0.1-5% and rock outcrop	0.20, 0.21	outcrop; steep slopes	steep slopes				
	0.1 – 2% of the surface; developed in residuum	С	Bearing Capacity: moderate					
15 - 25%	from meta-arkosic sandstone		Shrink-swell Potential: low					
125E	Moderately deep, excessively drained light	Very high	POOR	NOT SUITED	NOT SUITED	VERY LOW	VIIs	
	yellowish-brown loamy soils on steep							
Hazel very stony	backslopes; loose stones cover 0.1-5% and	0.28, 0.24	shallow to rock; stoniness; rock-	shallow to rock				
loam; rocky	rock outcrop $0.1 - 2\%$ of the surface;	_	outcrop; very steep slopes	very steep slopes				
25 450/	developed in residuum from meta-arkosic	С	Bearing Capacity: moderate					
25 - 45%	sandstone		Shrink-swell Potential: low					
128C	SEE MAP UNIT 20C							
128D	SEE MAP UNIT 20D							
130B**	Very deep, well drained, yellowish-brown	Moderate	GOOD	GOOD	SECONDARY	MODERATE		
	loamy soils on undulating summits and gently				CROPLAND			
Edneytown loam;	sloping backslopes; loose stones cover 0.01-	0.28, 0.24						
stony	1% of the soil surface; developed in residuum	*	Bearing Capacity: moderate					
-	from, augen gneiss, granite gneiss and granite	В	Shrink-swell Potential: low					
2 - 7%								

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EDOGION HAZARS	USE POTENTIAL AND PRO	OBLEMS FOR	5	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
130C**	Very deep, well drained, yellowish-brown	Moderate	GOOD	GOOD	SECONDARY CROPLAND	MODERATE	
Edneytown loam;	loamy soils on rolling summits and strongly sloping backslopes; loose stones cover 0.01-	0.28, 0.24			CROPLAND		
stony	1% of the soil surface; developed in residuum	0.20, 0.24	Bearing Capacity: moderate				
,	from, augen gneiss, granite gneiss and granite	В	Shrink-swell Potential: low				
7 - 15%							
131C	SEE MAP UNIT 23C						
131D**	Very deep, well drained, strong brown, fine- silty (Purcellville) and moderately deep, well	High	FAIR	MARGINAL	PRIME PASTURE	MODERATELY LOW	
Purcellville -	drained, strong brown, coarse-loamy	0,.32, 0.28 -	steep slopes; shallow to rock	steep slopes			
Tankerville	(Tankerville) soils on moderately steep	0.32, 0.24	Bearing Capacity: moderate	shallow to rock			
complex	backslopes; developed in residuum from	В	Shrink-swell Potential: low				
15 – 25%	granite, granite gneiss and granitic schist	Б					
134B**	Very deep, well drained, brownish-yellow	Moderate	GOOD	GOOD	PRIME	MODERATELY	
	loamy soils on gently sloping backslopes;				CROPLAND	LOW	
Happyland loam	developed in residuum from phyllite and meta-	0.37, 0.28					
2 70/	monzonite granite	ъ	Bearing Capacity: low				
2 - 7%		В	Shrink-swell Potential: low				
134C**	Very deep, well drained, brownish-yellow	Moderate	GOOD	GOOD	SECONDARY	MODERATELY	
	loamy soils on strongly sloping backslopes;				CROPLAND	LOW	
Happyland loam	developed in residuum from phyllite and meta-	0.37, 0.28					
7 -15%	monzonite granite	В	Bearing Capacity: low Shrink-swell Potential: low				
134D**	Very deep, well drained, brownish-yellow	High	FAIR	MARGINAL	PRIME	MODERATELY	
	loamy soils on moderately steep backslopes;				PASTURE	LOW	
Happyland loam	developed in residuum from phyllite and meta-	0.37, 0.28	steep slopes	G. 1			
15 -25%	monzonite granite	D	Bearing Capacity: low	Steep slopes			
13 -25%		В	Shrink-swell Potential: low				
140B**	Moderately deep, well drained, strong brown	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
	silty soils on undulating summits and gently	0.05.000			CROPLAND	LOW	
Pignut silt loam	sloping backslopes in highly dissected landscapes; developed in residuum from	0.37, 0.32	shallow to rock	shallow to rock			
2 - 7%	greenstone	С	Bearing Capacity: moderate Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		ED COVOLA IVA CA DE	USE POTENTIAL AND PRO	OBLEMS FOR	5	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
1.40 Chil	M. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	24.1	T. I.D.	POOR	GEGOVE LEV	MODERATELA	
140C**	Moderately deep, well drained, strong brown silty soils with few rock outcrops, stones and	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Pignut silt loam	boulders on convex strongly sloping	0.37, 0.32	shallow to rock	shallow to rock			
7 - 15%	backslopes in highly dissected landscapes; developed in residuum from greenstone	C	Bearing Capacity: moderate Shrink-swell Potential: low				
140D**	Moderately deep, well drained, strong brown silty soils on moderately steep backslopes in	High	FAIR	POOR	PRIME PASTURE	MODERATELY LOW	
Pignut silt loam	highly dissected landscapes; developed in	0.37, 0.32	shallow to rock; steep slopes	shallow to rock	TASTURE	LOW	
15 - 25%	residuum from greenstone	C	Bearing Capacity: moderate Shrink-swell Potential: low				
140E**	Moderately deep, well drained, strong brown silty soils on steep backslopes in highly	Very High	POOR	NOT SUITED	NOT SUITED	LOW	
Pignut silt loam	dissected landscapes; developed in residuum	0.37, 0.32	shallow to rock; very steep slopes	shallow to rock			
25 - 50%	from greenstone	C	Bearing Capacity: moderate Shrink-swell Potential: low	very steep slopes			
141D**	Moderately deep, well drained, strong brown silty soils (Pignut) and very deep, well drained,	High	POOR	POOR	SECONDARY PASTURE	MODERATELY LOW	
Pignut – Alanthus	yellowish-red silty soils (Alanthus) on	0.37, 0.32		shallow to rock			
complex, very stony	moderately steep backslopes; surface cover is represented by $.01 - 3\%$ stones and cobbles,		shallow to rock; stoniness  Bearing Capacity: moderate				
15 - 25 %	and 0 – 0.1% rock outcrop; developed in residuum from greenstone	C - B	Shrink-swell Potential: low				
141E**	Moderately deep, well drained, strong brown silty soils on steep backslopes; surface cover	Very high	POOR	NOT SUITED	NOT SUITED	LOW	
Pignut silt loam;	is represented by .01 – 3% stones and cobbles,	0.37, 0.32	shallow to rock; stoniness; very steep	shallow to rock			
very stony	and $0 - 0.1\%$ rock outcrop; developed in	G	slopes	very steep slopes			
25 - 45 %	residuum from greenstone	С	Bearing Capacity: moderate Shrink-swell Potential: low				
141F**	Moderately deep, well drained, strong brown silty soils on very steep backslopes; surface	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Pignut silt loam;	cover is represented by $.01 - 3\%$ stones and	0.37, 0.32	shallow to rock; stoniness; very steep	shallow to rock			
very stony	cobbles, and $0 - 0.1\%$ rock outcrop; developed in residuum from greenstone	С	slopes <b>Bearing Capacity:</b> moderate	very steep slopes			
45%+	in residuali from greenstone	C	Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

-			USE POTENTIAL AND PRO	OBLEMS FOR	S	ELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
148B**	Challen and Jacks J. Barks Land	Moderate	POOR	NOT SUITED	PRIME	LOW	
146D***	Shallow, well drained, olive brown loamy skeletal soils (Catoctin-shallow) and deep,	Moderate	FOOR	NOI SUITED	PASTURE	LOW	
Catoctin (shallow	moderately well drained, light yellowish	0.32, 0.17 -	shallow to rock; shrink-swell clay in	shallow to rock			
phase) –	brown, shrink-swell clay soils (Fletcherville)	0.32, 0.28	subsoil	shrink-swell clay in			
Fletcherville	on convex/concave sideslopes and summits;	-	Bearing Capacity: moderate - low	subsoil			
complex	developed in residuum from greenstone schist	D	Shrink-swell Potential: high				
2 - 7%							
148C**	Shallow, well drained, olive brown, loamy skeletal soils (Catoctin-shallow) and deep,	Moderate	POOR	NOT SUITED	PRIME PASTURE	LOW	
Catoctin (shallow	moderately well drained, light yellowish	0.32, 0.17 –	shallow to rock; shrink-swell clay in	shallow to rock			
phase) –	brown, shrink-swell clay soils (Fletcherville)	0.32, 0.28	subsoil	shrink-swell clay in			
Fletcherville	on convex/concave sideslopes; developed in residuum from greenstone schist	D	Bearing Capacity: moderate - low Shrink-swell Potential: high	subsoil			
complex	residuum from greenstone schist	D	Shrink-swell Potential: nigh				
7 - 15%							
153E**	Very deep, well drained, micaceous, yellowish-red loamy soils on steep backslopes	Very high	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Glenelg loam	in dissected uplands; developed in residuum	0.32, 0.32	high mica content in substratum may	very steep slopes			
25 - 45%	from mica schist and mica gneiss	В	interfere with compaction; very steep slopes				
23 - 4370		Б	Bearing Capacity: moderate				
			Shrink-swell Potential: low				
160B**	Moderately deep, well drained, grayish-brown	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
1000	silty soils on gently sloping backslopes;	Moderate	PAIK	FOOR	CROPLAND	LOW	
Ott silt loam	developed in residuum from bluish-gray	0.37, 0.32	shallow to rock	shallow to rock			
	thermally altered Triassic shale		Bearing Capacity: low				
2 - 7%		С	Shrink-swell Potential: low				
163A**	Deep, moderately well drained, yellowish-	Slight	VERY POOR	NOT SUITED	SECONDARY	MODERATELY	
Danis de la 1	brown clay pan soils with intermittent high	0.42.0.42	hatch decide and the control of	Link ( 1.1	CROPLAND	LOW	
Remington silt loam	water tables on broad upland flats and concave areas; developed in old alluvial capping	0.43, 0.43	high shrink-swell clay layers in the subsoil; intermittent high water	high water table			
0 - 2%	underlain by residuum from thermally-altered	D	table; low relief				
3 2/0	Triassic shale and granulite	D	Bearing Capacity: low				
			Shrink-swell Potential: very high				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

<u>, , , , , , , , , , , , , , , , , , , </u>	Son Characteristics and Ose I ofenial	<u> </u>	USE POTENTIAL AND PRO	OBLEMS FOR	\$	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
163B**	Deep, moderately well drained, yellowish- brown clay pan soils with intermittent high	Moderate	VERY POOR	NOT SUITED	SECONDARY CROPLAND	MODERATELY LOW	
Remington silt loam	water tables on gently sloping backslopes; developed in old alluvial capping underlain by	0.43, 0.43	high shrink-swell clay layers in the subsoil; intermittent high water	high water table	CROTE/IND	Low.	
2 - 7%	residuum from thermally-altered Triassic shale and granulite	D	table; low relief  Bearing Capacity: low  Shrink-swell Potential: very high				
164B**	Moderately deep, well drained, yellowish-red loamy soils with more than 35% rock	Moderate	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIs
Oakhill-Rock Outcrop complex	fragments in the soil mass and $10-25\%$ rock outcrops on gently sloping backslopes; soil surface is covered by $0.01-0.2\%$ stones and	0.24, 0.28 B	rock outcrops; stones and boulders  Bearing Capacity: moderate  Shrink-swell Potential: low	rock outcrops shallow to rock stone content			
2 - 7%	cobbles; developed in residuum from basalt	ь	Surink-swen rotentian: 10W	stone content			
164C	Moderately deep, well drained, yellowish-red loamy soils with more than 35% rock	Moderate	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	VIIs
Oakhill-Rock Outcrop complex	fragments in the soil mass and $10-25\%$ rock outcrops on strongly sloping backslopes; soil surface is covered by $0.01-0.2\%$ stones and	0.24, 0.28 B	rock outcrops; stones and boulders  Bearing Capacity: moderate  Shrink-swell Potential: low	rock outcrops shallow to rock stone content			
7 - 15% 164D	cobbles; developed in residuum from basalt  Moderately deep, well drained, yellowish-red loamy soils with more than 35% rock	High	VERY POOR	NOT SUITED	NOT SUITED	MODERATELY LOW	
Oakhill-Rock Outcrop complex	fragments in the soil mass and 10 – 25% rock outcrops on moderately steep and steep backslopes; soil surface is covered by 0.01 –	0.24, 0.28 B	rock outcrops; steep slopes  Bearing Capacity: moderate  Shrink-swell Potential: low	steep slopes rock outcrops		LOW	
15 - 25%	0.2% stones and cobbles; developed in residuum from basalt						
165C3	SEE MAP UNIT 65C						
167A**	Very deep, well drained, dark brown clayey soils on nearly level summits; developed in	Slight	POOR	POOR	PRIME CROPLAND	MODERATE	IIe
Haymarket silt loam	residuum from Triassic diabase and basalt	0.37, 0.20	high shrink-swell clay in the subsoil <b>Bearing Capacity:</b> low	percs slowly			
0 - 2%		D	Shrink-swell Potential: very high				
167B	Very deep, well drained, dark brown clayey soils on undulating summits and gently sloping	Moderate	POOR	POOR	PRIME CROPLAND	MODERATE	IIe
Haymarket silt loam	backslopes; developed in residuum from Triassic diabase and basalt	0.37, 0.20	high shrink-swell clay in the subsoil <b>Bearing Capacity:</b> low	percs slowly			
2 - 7%		D	Shrink-swell Potential: very high				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	y son Characteristics and Ose Folential (		USE POTENTIAL AND PRO	OBLEMS FOR	2	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
167C	Very deep, well drained, red clayey soils	Moderate	POOR	MARGINAL	SECONDARY	MODERATE	IIIe
	and/or dark brown clayey soils on strongly				CROPLAND		
Montalto and	sloping backslopes; developed in residuum	0.32, 0.28 -	high shrink-swell clay in the subsoil	percs slowly			
Haymarket soils	from Triassic diabase and basalt This map	0.37, 0.20	Bearing Capacity: low				
<b>5</b> 450	unit will predominantly contain Montalto	a 5	Shrink-swell Potential: very high				
7 - 15%	and/or Haymarket soils	C - D					
169A	SEE MAP UNIT 69A						
170A**	Deep, moderately well drained, strong brown loamy over clayey soils on nearly level	Slight	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATE	
Mt. Lucas Variant loam	summits and footslopes; developed in colluvium over residuum from basalt and	0.32, 0.28	intermittent high water table; shrink- swell clay in lower subsoil	high water table			
0 - 2%	diabase; may have HYDRIC soil inclusions	С	Bearing Capacity: low Shrink-swell Potential: high				
170B**	Deep, moderately well drained, strong brown loamy over clayey soils on undulating summits	Moderate	POOR	NOT SUITED	SECONDARY CROPLAND	MODERATE	
Mt. Lucas Variant	and gently sloping footslopes; developed in	0.32, 0.28	intermittent high water table; shrink-	high water table	CITOT ZITI IZ		
loam	colluvium over residuum from basalt and	,	swell clay in lower subsoil	Ç			
2 - 7%	diabase; may have HYDRIC soil inclusions	С	Bearing Capacity: low Shrink-swell Potential: high				
171B**	Very deep, well drained, dark reddish-brown silty soils on undulating summits and broad,	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATE	
Panorama Variant	gently sloping backslopes; developed in	0.37, 0.32	low bearing capacity when wet (high	percs slowly			
very gravelly silt	residuum from red Triassic shale and		silt content), very gravelly surface	•			
loam	sandstone	В	Bearing Capacity: low Shrink-swell Potential: low				
2 - 7%							
171C**	Very deep, well drained, dark reddish-brown silty soils on rolling summits and strongly	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATE	
Panorama Variant	sloping backslopes; developed in residuum	0.37, 0.32	low bearing capacity when wet (high	percs slowly			
very gravelly silt	from red Triassic shale and sandstone		silt content); very gravelly surface				
loam		В	Bearing Capacity: low Shrink-swell Potential: low				
7 - 15%							
173A**	Moderately deep, moderately well drained, reddish-brown silty soils on nearly level	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Penn gravelly silt	summits and upper backslopes; developed in	0.32, 0.24	intermittent high water table	high water table			
loam (WET	residuum from Triassic siltstone, shale and		shallow to rock	shallow to rock			
PHASE)	conglomerate	C	Bearing Capacity: low				
0 - 2%			Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		ED CATOLULA I DE LA CATOLULA DE LA C	USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
173B**	Moderately deep, moderately well drained, reddish-brown silty soils on undulating	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATEY LOW	
Penn gravelly silt loam (WET	summits and gently sloping backslopes, developed in residuum from Triassic siltstone	0.32, 0.24	intermittent high water table shallow to rock	high water table shallow to rock			
<b>PHASE</b> ) 2 - 7%	and shale	С	Bearing Capacity: low Shrink-swell Potential: low				
173C**	Moderately deep, moderately well drained, reddish-brown silty soils on rolling summits	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATEY LOW	
Penn gravelly silt loam (WET PHASE)	and strongly sloping backslopes, developed in residuum from Triassic siltstone and shale	0.32, 0.24 C	intermittent high water table shallow to rock  Bearing Capacity: low	high water table shallow to rock			
7 - 15%			Shrink-swell Potential: low				
174B**	Moderately deep, moderately well drained, yellowish-brown silty soils with intermittent	Moderate	FAIR	POOR	PRIME PASTURE	MODERATELY LOW	
Ashburn very gravelly silt loam 2 - 7%	high water tables on gently sloping landscapes; developed from thin fluvial capping over Triassic siltstone	0.37, 0.24 C	intermittent high water table; low bearing capacity when wet; very gravelly surface Bearing Capacity: low Shrink-swell Potential: moderate	shallow to rock high water table			
175B**	Very deep, well drained, red to dark red clayey soils on undulating summits and gently sloping	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATE	
Clover very gravelly silt loam	backslopes; developed in residuum from Triassic siltstone and conglomerate	0.32, 0.28 B	very gravelly surface  Bearing Capacity: moderate  Shrink-swell Potential: moderate	percs slowly			
2 - 7%			2				
176B**	Moderately deep, moderately well drained, strong brown to reddish-brown loamy soils on	Moderate	FAIR	POOR	PRIME PASTURE	MODERATELY LOW	
Oatlands very gravelly silt loam;	undulating summits and gently sloping backslopes; developed in residuum from	0.24, 0.24	intermittent high water table; shallow to rock; very gravelly	high water table shallow to rock			
(WET PHASE)	Triassic siltstone and conglomerate	В	surfaces  Bearing Capacity: low				
2 - 7%			Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
178A**	Moderately deep, somewhat poorly drained, yellowish-brown mottled with gray loamy	Slight	VERY POOR	NOT SUITED	PRIME PASTURE	LOW	
Dulles Variant silt loam	soils with intermittent high water tables in concave landscapes (swales) and drainageways; developed in local alluvium	0.43, 0.43 D	may be within 100-year floodplain; high water table; low relief; low bearing capacity when wet due to	high water table			
0 - 2%	washed from Triassic uplands; may have HYDRIC soil inclusions		high silt content  Bearing Capacity: low  Shrink-swell Potential: low				
178B**	Moderately deep, somewhat poorly drained, yellowish-brown mottled with gray loamy	Moderate	VERY POOR	NOT SUITED	PRIME PASTURE	LOW	
Dulles Variant silt loam	soils with intermittent high water table water tables in concave landscapes (swales) and drainageways; developed in local alluvium	0.37, 0.32 D	may be within 100-year floodplain; high water table; low relief; low bearing capacity when wet due to	high water table			
2 - 7%	washed from Triassic uplands; may have HYDRIC soil inclusions	D	high silt content  Bearing Capacity: low  Shrink-swell Potential: low				
179A**	Moderately deep, poorly drained, gray loamy soils with high water tables in concave	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	
Albano Variant silt loam	landscapes (swales) and drainageways; developed in local alluvium washed from Triassic uplands; HYDRIC SOIL	0.37, 0.32 D	may be within 100-year floodplain; high water table; low relief; low bearing capacity when wet due to	high water table			
0 - 2%	•		high silt content in surface and shrink-swell clay in the subsoil Bearing Capacity: low Shrink-swell Potential: low				
181B**	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes and	Moderate	FAIR	POOR	SECONDARY PASTURE	MODERATELY LOW	
Brumbaugh loam; very stony	toeslopes of mountains and in broad gently sloping interfluves; semi-rounded stones make	0.28, 0.20	intermittent high water table; stoniness	high water table			
2 - 7%	up 5-50% of the soil surface; 0.1–3% stones cover the soil surface; developed in old mountain colluvium from mixed acidic and basic rocks	В	Bearing Capacity: moderate Shrink-swell Potential: low				
183B**	Very deep, well drained, reddish-brown clayey soils on footslopes, broad, undulating summits	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATELY HIGH	
Braddock gravelly loam 2 - 7%	and gently sloping backslopes; rounded stones make up 0 - 50% of the soil mass; developed in old colluvium from mixed acidic and basic rocks	0.28, 0.24 B	Bearing Capacity: low Shrink-swell Potential: moderate	percs slowly			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
183C**	Very deep, well drained reddish-brown clayey	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATELY HIGH	
Braddock gravelly loam	soils on footslopes, broad, rolling summits and strongly sloping backslopes; rounded stones make up 0 - 50% of the soil mass; developed	0.28, 0.24	Bearing Capacity: low	percs slowly	CROPLAND	nion	
7 - 15%	in old colluvium from mixed acidic and basic rocks	В	Shrink-swell Potential: moderate				
183D**	Very deep, well drained reddish-brown clayey soils on steep backslopes; rounded stones	High	FAIR	MARGINAL	PRIME PASTURE	MODERATELY HIGH	
Braddock gravelly loam	make up 0 - 50% of the soil mass; developed in old colluvium from mixed acidic and basic	0.28, 0.24	steep slopes	percs slowly steep slopes			
15 - 25%	rocks	В	Bearing Capacity: low Shrink-swell Potential: moderate				
187B**	Very deep, well drained, dark yellowish-brown soils on gently sloping footslopes and benches;	Moderate	POOR	MARGINAL	SECONDARY PASTURE	MODERATE	
Tate loam; very stony	semi-rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones cover the soil	0.28, 0.24	subject to overland flow; significant destructive potential during storm	landscape position			
2- 7%	surface; developed in recent colluvium from granitic rocks	В	events; stoniness  Bearing Capacity: moderate  Shrink-swell Potential: low				
187C**	Very deep, well drained, dark yellowish-brown soils on strongly sloping footslopes and	Moderate	POOR	MARGINAL	SECONDARY PASTURE	MODERATE	
Tate loam; very stony	benches; semi-rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones cover the soil surface; developed in recent	0.28, 0.24 B	subject to overland flow; significant destructive potential during storm events; stoniness	landscape position			
7- 15%	colluvium from granitic rocks		Bearing Capacity: moderate Shrink-swell Potential: low				
187D**	Very deep, well drained, dark yellowish-brown soils on moderately steep footslopes and	High	POOR	MARGINAL	SECONDARY PASTURE	MODERATE	
Tate loam; very stony	backslopes; semi-rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones	0.28, 0.24	subject to overland flow; significant destructive potential during storm	landscape position steep slope			
15- 25%	cover the soil surface; developed in recent colluvium from granitic rocks	В	events; stoniness; steep slope  Bearing Capacity: moderate  Shrink-swell Potential: low				
189B**	Deep, well drained, strong brown loamy- skeletal soils on gently sloping backslopes and	Moderate	GOOD	GOOD	SECONDARY CROPLAND	MODERATELY LOW	
Weverton gravelly loam	benches; gravels and flagstones range from 15 – 70% of the soil mass; formed in colluvium from interbedded quartzite, quartz muscovite	0.15, 0.10 C	Bearing Capacity: moderate Shrink-swell Potential: low		CROILLIND	LOW	
2 - 7%	schist and phyllite						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PR	OBLEMS FOR		SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
189C**	Deep, well drained strong brown loamy-	Moderate	GOOD	GOOD	PRIME	MODERATELY	
	skeletal soils on strongly sloping backslopes	0.15.0.10			PASTURE	LOW	
Weverton gravelly loam	and benches; gravels and flagstones range from 15 – 70% of the soil mass; formed in	0.15, 0.10	Bearing Capacity: moderate Shrink-swell Potential: low				
Ioani	colluvium from interbedded quartzite, quartz	C	Sili lik-swell I otential. 10w				
7 - 15%	muscovite schist and phyllite						
189D**	Deep, well drained strong brown loamy-	High	FAIR	MARGINAL	PRIME	MODERATELY	
Weverton gravelly	skeletal soils on moderately steep backslopes and benches; gravels and flagstones range	0.15, 0.10	Steep slopes	steep slopes	PASTURE	LOW	
loam	from 15 – 70% of the soil mass; formed in	0.13, 0.10	Steep slopes	steep stopes			
	colluvium from interbedded quartzite, quartz	C	Bearing Capacity: moderate				
15 - 25% 200**	muscovite schist and phyllite  Disturbed areas of cutting and/ or filling		Shrink-swell Potential: low				
Cut and/or Fill			IGHLY VARIA	DLL			
220B**	Moderately deep, well drained, strong brown coarse-loamy soils on undulating summits and	Moderate	FAIR	POOR	SECONDARY CROPLAND	LOW	
Tankerville loam	gently sloping backslopes; developed in residuum from granite, schist and gneiss	0.32, 0.24	shallow to rock <b>Bearing Capacity:</b> moderate	shallow to rock			
2 - 7%		С	Shrink-swell Potential: low				
220C**	Moderately deep, well drained, strong brown coarse-loamy soils on rolling summits and	High	FAIR	POOR	SECONDARY CROPLAND	LOW	
Tankerville loam	strongly sloping backslopes; developed in residuum from granite, schist and gneiss	0.32, 0.24	shallow to rock <b>Bearing Capacity:</b> moderate	shallow to rock			
7 - 15%		C	Shrink-swell Potential: low				
220D**	Moderately deep, well drained, strong brown coarse-loamy soils on moderately steep	High	POOR	POOR	PRIME PASTURE	LOW	
Tankerville loam	backslopes; developed in residuum from	0.32, 0.24	shallow to rock; steep slopes	shallow to rock;			
15 - 25%	granite, schist and gneiss	C	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
220E**	Moderately deep, well drained, strong brown coarse-loamy soils on steep backslopes;	Very high	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	
Tankerville loam	developed in residuum from granite, schist and	0.32, 0.24	shallow to rock; very steep slopes	shallow to rock			
25 - 45%	gneiss	С	Bearing Capacity: moderate Shrink-swell Potential: low	very steep slopes			
23 - 43%		C	SHTHK-SWEH POLEHUAI: 10W				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	y son characterismes and cae I elemen	EROSION HAZARD	USE POTENTIAL AND PR	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
220F**	M-1	W1-1-1-	VERY POOR	NOT SUITED	NOT SUITED	LOW	
220F***	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes;	Very high	VERT POOR	NOT SUITED	NOT SUITED	LOW	
Tankerville loam	developed in residuum from granite, schist and	0.32, 0.24	shallow to rock; very steep slopes	shallow to rock			
	gneiss	,	Bearing Capacity: moderate	very steep slopes			
45 - 65%		C	Shrink-swell Potential: low				
221D	Moderately deep, well drained, dark yellowish-brown loamy soils on moderately	High	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	
Pigeonroost –	steep backslopes of the Blue Ridge; rock	0.28, 0.24	steep slopes; rock outcrops	steep slopes			
Rock-Outcrop	outcrops cover $5-15\%$ and loose stones cover		Bearing Capacity: moderate	rock outcrops			
complex	10-40% of the surface; developed in residuum from granite and granite gneiss	В	Shrink-swell Potential: low				
15 - 25%							
221E	Moderately deep, well drained, dark yellowish-brown loamy soils on steep	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	VIIs
Pigeonroost –	backslopes of the Blue Ridge; rock outcrops	0.28, 0.24	very steep slopes; rock outcrops	very steep slopes			
Rock-Outcrop	cover 5 – 15% and loose stones cover 10-40%	-	Bearing Capacity: moderate	rock outcrops			
complex	of the surface; developed in residuum from granite and granite gneiss	В	Shrink-swell Potential: low				
25 - 45% 225D	Moderately deep, excessively drained,	High	VERY POOR	NOT SUITED	SECONDARY	LOW	VIIs
223D	yellowish-brown loamy soils and 10 – 25%	nigii	VERT FOOR	NOI SUITED	PASTURE	LOW	VIIS
Hazel-Rock	rock outcrops on moderately steep backslopes;	0.32, 0.24		rock outcrops	TABTORE		
Outcrop complex	loose stones and cobbles cover 1-45% of the	,	rock outcrops; steep slopes	steep slopes			
	surface; developed in residuum from arkosic	C	Bearing Capacity: moderate				
	sandstone		Shrink-swell Potential: low				
15 - 25%							
225E	Moderately deep, excessively drained, yellowish-brown loamy soils and 10 – 25%	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Hazel-Rock	rock outcrops on steep backslopes; loose	0.32, 0.24	very steep slopes; rock outcrops	very steep slopes			
Outcrop complex	stones and cobbles cover 1-45% of the surface;	C	Bearing Capacity: moderate	rock outcrops			
25 - 45%	developed in residuum from arkosic sandstone	С	Shrink-swell Potential: low				
23 - 43% 228B	Very deep, well drained, red loamy soils on	Moderate	GOOD	MARGINAL	SECONDARY	MODERATELY	
2200	undulating summits and gently sloping	WIOGETALE	GGGD	MAROINAL	CROPLAND	HIGH	
Eubanks soils	backslopes; developed in residuum from	0.32, 0.32		percs slowly	31.01 2. II .D		
	sheared granite or granodiorite intruded by	•	Bearing Capacity: moderate	1			
2 - 7 %	dikes of greenstone	В	Shrink-swell Potential: moderate				
228C	Very deep, well drained, red loamy soils (Eubanks) on rolling summits and strongly	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATELY HIGH	
Eubanks soils	sloping backslopes; developed in residuum	0.32, 0.32		percs slowly			
	from sheared granite or granodiorite intruded	•	Bearing Capacity: moderate				
7 - 15 %	by dikes of greenstone	В	Shrink-swell Potential: moderate				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		<u> </u>	USE POTENTIAL AND PRO	OBLEMS FOR	5	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
230B**	Very deep, well drained, yellowish-brown	Moderate	FAIR	MARGINAL	PRIME	MODERATELY	
250B***	(Edneytown) loamy soil and moderately deep,	Moderate	PAIK	MARGINAL	CROPLAND	LOW	
Edneytown –	well drained dark brown (Chestnut) coarse-	0.24, 0.24	Shallow to rock	shallow to rock			
Chestnut complex	loamy soil on undulating summits in dissected		Bearing Capacity: moderate				
2 70/	landscapes; developed in residuum from	В	Shrink-swell Potential: low				
2 - 7% 230C**	coarse-textured granite and granite gneiss  Very deep, well drained, yellowish-brown	Moderate	FAIR	MARGINAL	SECONDARY	MODERATELY	
2300.	(Edneytown) loamy soil and moderately deep,	Moderate	FAIR	WAKGINAL	CROPLAND	LOW	
Edneytown –	well drained dark brown (Chestnut) coarse-	0.28, 0.24 -	shallow to rock	shallow to rock	CROT ELLIS	20	
Chestnut complex	loamy soil on rolling summits and strongly	0.24, 0.24	Bearing Capacity: moderate				
	sloping backslopes in dissected landscapes;	-	Shrink-swell Potential: low				
7 - 15%	developed in residuum from coarse-textured granite and granite gneiss	В					
230D**	Very deep, well drained, yellowish-brown	High	FAIR	MARGINAL	PRIME	MODERATELY	
2502	(Edneytown) loamy soil and moderately deep,	111811		III II COII VI III	PASTURE	LOW	
Edneytown –	well drained, dark brown (Chestnut) coarse-	0.28,0.24 $-$	shallow to rock; steep slopes	shallow to rock			
Chestnut complex	loamy soil on moderately steep backslopes in	0.24, 0.24	Bearing Capacity: moderate	steep slopes			
15 250/	dissected landscapes; developed in residuum	D	Shrink-swell Potential: low				
15 - 25% 230E**	from coarse-textured granite and granite gneiss  Very deep, well drained, yellowish-brown	B Very high	POOR	NOT SUITED	SECONDARY	LOW	
230E.	(Edneytown) loamy soil and moderately deep,	very mgn	1008	NOT SUITED	PASTURE	LOW	
Edneytown –	well drained dark brown (Chestnut) coarse-	0.28, 0.24 -	shallow to rock; very steep slopes	very steep slopes	111510111		
Chestnut complex	loamy soil on steep backslopes in dissected	0.24, 0.24	Bearing Capacity: moderate				
	landscapes; developed in residuum from	_	Shrink-swell Potential: low				
25 - 50% 238A**	coarse-textured granite and granite gneiss	B	EAID	DOOD	DDDAE	MODERATE	
238A**	Very deep, somewhat poorly drained, mottled brownish-yellow fragipan soils with	Moderate	FAIR	POOR	PRIME PASTURE	MODERATE	
Belvoir loam	intermittent high water tables on broad, nearly	0.37, 0.28	intermittent high water table	high water table	TABTORE		
	level summits and slight depressions;	, , , , , , , , , , , , , , , , , , , ,	Bearing Capacity: moderate	fragipan			
0 - 2%	developed in local colluvium and residuum	C	Shrink-swell Potential: low				
	from granitic rocks; may have HYDRIC soil						
238B**	inclusions  Very deep, somewhat poorly drained, mottled	Moderate	FAIR	POOR	PRIME	MODERATE	
230D.	brownish-yellow fragipan soils with	Moderate	LANK	NOOT	PASTURE	WIODERATE	
Belvoir loam	intermittent high water tables on broad,	0.37, 0.28	intermittent high water table	high water table			
	undulating summits and slight depressions;		Bearing Capacity: moderate	fragipan			
2 - 7%	developed in local colluvium and residuum	C	Shrink-swell Potential: low				
	from granitic rocks; may have HYDRIC soil inclusions						
	HICIUSIOIIS						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		ED OGROVI W. G. DD	USE POTENTIAL AND PR	OBLEMS FOR	Ç	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
238C**	Very deep, somewhat poorly drained, mottled	Moderate	FAIR	POOR	PRIME	MODERATE	
2360	brownish-yellow fragipan soils with	Wioderate	PAIK	TOOK	PASTURE	MODERATE	
Belvoir loam	intermittent high water tables on broad,	0.32, 0.28	intermittent high water table	high water table			
7 - 15%	rolling summits and slight depressions; developed in local colluvium and residuum from granitic rocks; may have HYDRIC soil inclusions	С	Bearing Capacity: moderate Shrink-swell Potential: low	fragipan			
240B**	Shallow, well drained, olive brown, loamy- skeletal soils on steep backslopes; may have a	High	POOR	NOT SUITED	PRIME CROPLAND	LOW	
Catoctin silt loam	few cobbles and/or stones on the surface;	0.32, 0.17	shallow to rock; steep slopes	shallow to rock			
(shallow phase)	developed in residuum from greenstone	D	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
2 - 7% 240C**	Shallow, well drained, olive brown, loamy-	TT: -1.	POOR	NOT SUITED	PRIME	LOW	
240C**	skeletal soils on steep backslopes; may have a	High	POOR	NOT SUITED	CROPLAND	LOW	
Catoctin silt loam	few cobbles and/or stones on the surface;	0.32, 0.17	shallow to rock; steep slopes	shallow to rock			
(shallow phase)	developed in residuum from greenstone	D	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
7 - 15%							
240D**	Shallow, well drained, olive brown, loamy- skeletal soils on steep backslopes; may have a	High	POOR	NOT SUITED	PRIME CROPLAND	LOW	
Catoctin silt loam	few cobbles and/or stones on the surface;	0.32, 0.17	shallow to rock; steep slopes	shallow to rock			
(shallow phase)	developed in residuum from greenstone	D	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
15 - 25%	C1 11 11 1 1 1 1 1 1	TT' 1	DOOD	NOT GUITED	NOT GUITED	LOW	
240E**	Shallow, well drained, olive brown, loamy- skeletal soils on steep backslopes; may have a	High	POOR	NOT SUITED	NOT SUITED	LOW	
Catoctin silt loam	few cobbles and/or stones on the surface;	0.32, 0.17	shallow to rock; steep slopes	shallow to rock			
(shallow phase)	developed in residuum from greenstone	D	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
25 - 45%							
241B**	Very deep, well drained, yellowish-red silty soils (Alanthus) and moderately deep, well	Moderate	FAIR	MARGINAL	PRIME CROPLAND	MODERATELY HIGH	
Alanthus –Pignut	drained, strong brown silty soils (Pignut) on	0.37, 0.23	shallow to rock	shallow to rock			
complex	undulating summits; soil surface may contain a few cobbles and/or stones; developed in	$\mathbf{B} - \mathbf{C}$	<b>Bearing Capacity:</b> moderate <b>Shrink-swell Potential:</b> low				
2 - 7 %	residuum from greenstone						

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241C**	Very deep, well drained, yellowish-red silty	Moderate	FAIR	MARGINAL	SECONDARY	MODERATELY	
2410***	soils (Alanthus) and moderately deep, well	Moderate	FAIR	WARGINAL	CROPLAND	HIGH	
Alanthus –Pignut	drained, strong brown silty soils (Pignut) on	0.37, 0.23	shallow to rock	shallow to rock			
complex	rolling summits and strongly sloping backslopes; soil surface may contain a few	B - C	Bearing Capacity: moderate Shrink-swell Potential: low				
7 - 15 %	cobbles and/or stones; developed in residuum from greenstone	В-С	Shrink-sweii Potentiai: 10W				
241D**	Moderately deep, well drained, strong brown silty soils (Pignut) and very deep, well drained,	High	POOR	POOR	PRIME PASTURE	MODERATE	
Pignut- Alanthus	yellowish-red silty soils (Alanthus) on	0.37, 0.23	shallow to rock; steep slopes	shallow to rock			
complex	moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed	C - B	Bearing Capacity: moderate Shrink-swell Potential: low	steep slopes			
15 - 25 %	in residuum from greenstone	С-В	Shrink-swell Potential: 10W				
260E**	Shallow, well drained, grayish-brown silty soils containing more than 35% rock	Very High	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Catlett gravelly silt	fragments on steep backslopes with 0.5 to 2	0.20, 0.10	shallow to rock; very steep slopes;	shallow to rock			
loam, rocky	percent rock-outcrop; developed in residuum	D	rock outcrop	very steep slopes			
25 - 65%	from bluish-gray thermally altered Triassic shale	D	<b>Bearing Capacity:</b> moderate <b>Shrink-swell Potential:</b> low				
265B**	Very deep, well drained, red clayey soils with few stones and boulders on undulating	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Montalto silty clay	summits; developed in residuum from Triassic	0.32, 0.28		percs slowly	CITOT LITTE		
loam, stony	diabase.	_	Bearing Capacity: low				
2 - 7%		С	Shrink-swell Potential: moderate				
265C**	Very deep, well drained, red clayey soils with few stones and boulders on strongly sloping	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	MODERATE	
Montalto silty clay	backslopes; developed in residuum from	0.32, 0.28		percs slowly	CKOLLAND		
loam, stony	Triassic diabase.		Bearing Capacity: low	1 ,			
7 150/		С	Shrink-swell Potential: moderate				
7 -15% 265D**	Very deep, well drained, red clayey soils with	High	FAIR	MARGINAL	PRIME	MODERATE	
	few stones and boulders on moderately steep	_			PASTURE		
Montalto silty clay	backslopes; developed in residuum from	0.32, 0.28	steep slopes	percs slowly			
loam, stony	Triassic diabase.	С	Bearing Capacity: low Shrink-swell Potential: moderate	steep slopes			
15 - 25%							

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269A**	Deep, poorly drained, dark gray loamy-skeletal soils (containing more than 35 percent gravels	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	
Meetze very	and cobbles in the subsoil) in drainageways; formed in alluvium from diabase and basalt;	020, 0.15	frequent flooding; occasional ponding; concentrated runoff from	high water table			
gravelly silt loam	HYDRIC SOIL	D	higher areas; high water table; low				
0 - 2%			relief  Bearing Capacity: low  Shrink-swell Potential: high in lower substratum				
270B**	Deep, somewhat poorly drained, yellowish- brown loamy over clayey soils on undulating	Moderate	POOR	NOT SUITED	PRIME PASTURE	MODERATE	
Mt. Lucas loam	summits and gently sloping footslopes;	0.32, 0.28	high water table; shrink-swell may	high water table			
2 - 7%	developed in colluvium over residuum from basalt and diabase; may have HYDRIC soil inclusions	С	occur in lower subsoil  Bearing Capacity: low  Shrink-swell Potential: high				
274A**	Moderately deep, moderately well drained ,yellowish-brown silty soils with intermittent	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Ashburn gravelly silt loam	high water table water tables on nearly level landscapes; developed from thin fluvial	0.32, 0.24	intermittent high water table; low bearing capacity when wet due to	shallow to rock high water table			
0 - 2%	capping over Triassic siltstone	С	high silt content and/or shrink-swell clay in lower horizon Bearing Capacity: low Shrink-swell Potential: moderate				
274B**	Moderately deep, moderately well drained ,yellowish-brown silty soils with intermittent	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Ashburn gravelly silt loam	high water table water tables gently sloping landscapes; developed from thin fluvial	0.32, 0.24	intermittent high water table; low bearing capacity when wet due to	shallow to rock high water table			
2 - 7%	capping over Triassic siltstone	С	high silt content and/or shrink-swell clay in lower horizon  Bearing Capacity: low  Shrink-swell Potential: moderate	ingii watei table			
275B**	Very deep, well drained, red to dark-red clayey soils on undulating summits; developed in	Moderate	GOOD	MARGINAL	PRIME CROPLAND	MODERATE	
Clover gravelly silt	residuum from Triassic siltstone and	0.32, 0.28	n de Carata	percs slowly			
loam 2 - 7%	conglomerate	В	Bearing Capacity: moderate Shrink-swell Potential: moderate				

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276B**	Very deep, well drained, strong brown to reddish-brown loamy soils on undulating	Moderate	FAIR	GOOD	SECONDARY CROPLAND	MODERATE	
Sudley very gravelly silt loam	summits and gently sloping backslopes; developed in residuum from Triassic conglomerate	0.32, 0.28 B	Very gravelly surface  Bearing Capacity: moderate  Shrink-swell Potential: low				
2 - 7% 276C**	Very deep, well drained, strong brown to reddish-brown loamy soils on strongly sloping	Moderate	FAIR	GOOD	SECONDARY CROPLAND	MODERATE	
Sudley very gravelly silt loam	backslopes; developed in residuum from Triassic conglomerate	0.32, 0.28 B	Very gravelly surface  Bearing Capacity: moderate  Shrink-swell Potential: low		0.10.2.11.12		
7 - 15% 300**	This unit consists of areas where more than 80						
Urban land	percent of the surface is covered by parking lots, buildings, and other structures.	Н	IGHLY VARIA	BLE			
313A**	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes,	slight	FAIR	POOR	PRIME CROPLAND	MODERATE	
Sumerduck Variant silt loam	heads of drainageways and benches; developed in local wash and residuum from sericite and biotite schist and gneiss	0.37, 032 B	high water table  Bearing Capacity: moderate  Shrink-swell Potential: low	high water table			
0 - 2%							
313B**	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes,	Moderate	FAIR	POOR	PRIME CROPLAND	MODERATE	
Sumerduck Variant silt loam	heads of drainageways and benches; developed in local wash and residuum from sericite and biotite schist and gneiss	0.37, 0.32 B	high water table  Bearing Capacity: moderate  Shrink-swell Potential: low	high water table			
2 - 7%							
313C**	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes,	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATE	
Sumerduck Variant silt loam	heads of drainageways and benches; developed in local wash and residuum from sericite and biotite schist and gneiss	0.37, 0.32 B	high water table  Bearing Capacity: moderate  Shrink-swell Potential: low	high water table			
7 - 15%	-						
320B**	Moderately deep, well drained, strong brown coarse-loamy soils on undulating summits and	Moderate	FAIR	POOR	SECONDARY PASTURE	LOW	
Tankerville loam, very stony	gently sloping backslopes; 0.1 – 3% surface stones; developed in residuum from granite, schist and gneiss	0.32, 0.24 C	shallow to rock; stones  Bearing Capacity: moderate  Shrink-swell Potential: low	shallow to rock			
2 - 7%	Series and ghouss	Č	Similar Swell i decition. 10W				

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	j son Characteristics and Ose I otential (	1 2	USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
320C**	Moderately deep, well drained, strong brown coarse-loamy soils on rolling summits and	High	FAIR	POOR	SECONDARY PASTURE	LOW	
Tankerville loam,	strongly sloping backslopes; 0.1 – 3% surface	0.32, 0.24	shallow to rock; stones	shallow to rock			
very stony	stones; developed in residuum from granite, schist and gneiss	С	Bearing Capacity: moderate Shrink-swell Potential: low				
7 - 15%							
320D**	Moderately deep, well drained, strong brown coarse-loamy soils on moderately steep	High	POOR	POOR	SECONDARY PASTURE	LOW	
Tankerville loam,	backslopes; $0.1 - 3\%$ surface stones;	0.32, 0.24	shallow to rock; stones; steep slopes	shallow to rock			
very stony	developed in residuum from granite, schist and	_	Bearing Capacity: moderate	steep slopes			
15 250/	gneiss	С	Shrink-swell Potential: low				
15 - 25% 320E**	Moderately deep, well drained, strong brown	Very high	VERY POOR	NOT SUITED	SECONDARY	LOW	
	coarse-loamy soils on steep backslopes; 0.1 -	, ,			PASTURE	LOW	
Tankerville loam,	3% surface stones; developed in residuum	0.32, 0.24	shallow to rock; very steep slopes;	shallow to rock			
very stony	from granite, schist and gneiss	С	stones <b>Bearing Capacity:</b> moderate	very steep slopes			
25 - 45%			Shrink-swell Potential: low				
320F**	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes;	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Tankerville loam,	0.1 – 3% surface stones; developed in	0.32, 0.24	shallow to rock; very steep slopes;	shallow to rock			
very stony	residuum from granite, schist and gneiss		stones	very steep slopes			
45 - 65%		С	Bearing Capacity: moderate Shrink-swell Potential: low				
321C**	SEE MAP UNIT 130C						
325C**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils (Hazel)	Moderate	FAIR	MARGINAL	SECONDARY CROPLAND	MODERATELY LOW	
Hazel – Edgemont	and very deep, well drained, yellowish-brown	0.32, 0.24 -	shallow to rock	shallow to rock	CROT ELLIS	2011	
complex	loamy soils (Edgemont) on narrow summits	0.32, 0.28	Bearing Capacity: moderate - low				
	and strongly sloping backslopes; developed in		Shrink-swell Potential: low				
7 - 15%	residuum from arkosic sandstone and meta- graywacke	C - B					
325D**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils (Hazel)	High	FAIR	MARGINAL	PRIME PASTURE	MODERATELY LOW	
Hazel – Edgemont	and very deep, well drained, yellowish-brown	0.32, 0.24 -	shallow to rock; steep slopes	shallow to rock			
complex	loamy soils (Edgemont) on moderately steep backslopes; developed in residuum from	0.32, 0.28	Bearing Capacity: moderate - low Shrink-swell Potential: low	steep slopes			
15 - 25%	arkosic sandstone and meta-graywacke	C - B					

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	S	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
325E**	Moderately deep, excessively drained,	Very High	POOR	NOT SUITED	SECONDARY	LOW	
	yellowish-brown coarse-loamy soils (Hazel)				PASTURE		
Hazel – Edgemont	and very deep, well drained, yellowish-brown	0.32, 0.24 –	very steep slopes; shallow to rock	very steep slopes			
complex	loamy soils (Edgemont) on steep backslopes; developed in residuum from arkosic sandstone	0.32, 0.28	Bearing Capacity: moderate - low Shrink-swell Potential: low				
25 - 45%	and meta-graywacke	C - B					
330C**	Moderately deep, excessively well drained, dark brown, loamy skeletal soil on rolling	Moderate	FAIR	POOR	SECONDARY PASTURE	LOW	
Peaks sandy loam;	summits and strongly sloping backslopes;	0.24, 0.24	shallow to rock; stoniness	shallow to rock			
very stony	contains greater than 35% coarse fragments in	~	Bearing Capacity: high				
7 - 15%	the subsoil; developed in residuum from coarse-grained granite; predominantly found	С	Shrink-swell Potential: low				
7 - 1370	on the Cobbler mountain formations						
330D**	Moderately deep, excessively well drained,	High	FAIR	POOR	SECONDARY	LOW	
	dark brown, loamy skeletal soil on moderately	C			PASTURE		
Peaks sandy loam;	steep backslopes; contains greater than 35%	0.24, 0.24	steep slopes; shallow to rock;	shallow to rock			
very stony	coarse fragments in the subsoil; developed in		stoniness	steep slopes			
45 050	residuum from coarse-grained granite;	С	Bearing Capacity: high				
15 - 25%	predominantly found on the Cobbler Mountain		Shrink-swell Potential: low				
330E**	formations  Moderately deep, excessively well drained,	Very high	POOR	NOT SUITED	NOT SUITED	LOW	
330E.	dark brown, loamy skeletal soil on steep	very mgn	TOOK	NOT SOTTED	NOT SUITED	LOW	
Peaks sandy loam;	backslopes; contains greater than 35% coarse	0.24, 0.24	very steep slopes; shallow to rock;	shallow to rock			
very stony	fragments in the subsoil; developed in		stoniness	very steep slopes			
25 5001	residuum from coarse-grained granite;	С	Bearing Capacity: high				
25 - 50%	predominantly found on the Cobbler Mountain formations		Shrink-swell Potential: low				
340B**	Moderately deep, well drained, strong brown	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
C-44::14.1	loamy-skeletal soils containing more than 35%	0.22 0.17	-h11 4l-	-111 41	CROPLAND	LOW	
Catoctin silt loam	rock fragments in the subsoil on undulating summits and gently sloping backslopes in	0.32, 0.17	shallow to rock  Bearing Capacity: moderate	shallow to rock			
2 - 7%	highly dissected landscapes; developed in	С	Shrink-swell Potential: low				
2 170	residuum from greenstone	C	Smink-swen i occiual. 10w				
340C**	Moderately deep, well drained, strong brown	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
	loamy-skeletal soils containing more than 35%				CROPLAND	LOW	
Catoctin silt loam	rock fragments in the subsoil on rolling	0.32, 0.17	shallow to rock	shallow to rock			
	summits and strongly sloping backslopes in	_	Bearing Capacity: moderate				
7 - 15%	highly dissected landscapes; developed in	В	Shrink-swell Potential: low				
	residuum from greenstone						

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		USE POTENTIAL AND PROBLEMS FOR			SELECTED USES			
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS	
340D**	Moderately deep, well drained, strong brown	High	FAIR	POOR	PRIME	MODEARTELY		
3 <del>4</del> 0D	loamy-skeletal soils containing more than 35%	High	TAIK	TOOK	PASTURE	LOW		
Catoctin silt loam	rock fragments in the subsoil on moderately	0.32, 0.17	shallow to rock; steep slopes	shallow to rock				
	steep backslopes in highly dissected		Bearing Capacity: moderate	steep slopes				
15 - 25%	landscapes; developed in residuum from greenstone	С	Shrink-swell Potential: low					
340E**	Moderately deep, well drained, strong brown loamy-skeletal soils containing more than 35%	Very high	POOR	NOT SUITED	SECONDARY PASTURE	LOW		
Catoctin silt loam	rock fragments in the subsoil on steep	0.32, 0.17	shallow to rock; very steep slopes	shallow to rock				
25 500/	backslopes in highly dissected landscapes; developed in residuum from greenstone	С	Bearing Capacity: moderate	very steep slopes				
25 - 50%	developed in residuum from greenstone	C	Shrink-swell Potential: low					
365B**	Very deep, well drained, red clayey soils with many stones and few boulders on undulating	Moderate	FAIR	MARGINAL	SECONDARY PASTURE	MODERATELY LOW		
Montalto silty clay	summits of ridges; developed in residuum	0.32, 0.28	stoniness	percs slowly	111510112	20		
loam, extremely	from Triassic diabase.	_	Bearing Capacity: low					
stony		В	Shrink-swell Potential: moderate					
2 - 7%								
365C**	Very deep, well drained, red clayey soils with	Moderate	FAIR	MARGINAL	SECONDARY	MODERATELY		
	many stones and few boulders on strongly				PASTURE	LOW		
Montalto silty clay	sloping backslopes; developed in residuum from Triassic diabase.	0.32, 0.28	stoniness	percs slowly				
loam, extremely stony	from Triassic diabase.	В	Bearing Capacity: low Shrink-swell Potential: moderate					
7 - 15%								
370B**	Very deep, somewhat poorly drained, yellowish-brown loamy over clayey soils on	Moderate	POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW		
Mt. Lucas loam,	gently sloping summits and footslopes; soil	0.32, 0.28	intermittent high water table;	high water table				
extremely stony	surface is covered by $4 - 15\%$ stones;	C.	stoniness					
2 - 7%	developed in colluvium over residuum from basalt and diabase; may have HYDRIC soil	С	Bearing Capacity: low Shrink-swell Potential: moderate					
2 - 170	inclusions		Sill ink-swell I otential. Inoderate					
374A**	Moderately deep, somewhat poorly drained, strong brown silty soils with intermittent high	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW		
Ashburn silt loam,	water tables on broad, nearly level upland	0.37, 0.24	intermittent high water table; low	shallow to rock				
wet phase	flats; developed from thin fluvial capping over	C	bearing capacity when wet due to	water table				
0 - 2%	Triassic siltstone, fine grained sandstone and shale	С	high silt content and/or shrink-swell clay in lower horizon					
U - 270	Silaic		Bearing Capacity: low					
			Shrink-swell Potential: moderate					

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR	\$	SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
374B**	Moderately deep, somewhat poorly drained, strong brown silty soils with intermittent high	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Ashburn silt loam, wet phase	water tables on broad, gently sloping upland flats; developed from thin fluvial capping over	0.37, 0.24	intermittent high water table; low bearing capacity when wet due to	shallow to rock water table			
2 - 7%	Triassic siltstone, fine grained sandstone and shale	С	high silt content and/or shrink-swell clay in lower horizon Bearing Capacity: low Shrink-swell Potential: moderate				
413B**	Very deep, moderately well to somewhat poorly drained, mottled yellowish-brown and	Moderate	POOR	NOT SUITED	PRIME PASTURE	MODERATELY LOW	
Lignum Variant silt loam	gray clayey soils on footslopes, heads of drainageways and gently sloping benches; developed in local wash and residuum from	0.37, 0.28 C	intermittent high water table; low bearing capacity; may have shrink- swell clay in subsoil	high water table			
2 - 7%	sericite and biotite schist and gneiss; may have HYDRIC soil inclusions	C	Bearing Capacity: low Shrink-swell Potential: high				
413C**	Very deep, moderately well to somewhat poorly drained, mottled yellowish-brown and	Moderate	POOR	NOT SUITED	PRIME PASTURE	MODERATELY LOW	
Lignum Variant silt loam	gray clayey soils on footslopes, heads of drainageways and strongly sloping backslopes; developed in local wash and residuum from	0.37, 0.28 C	Intermittent high water table; low bearing capacity; may have shrink- swell clay in subsoil	high water table			
7 - 15%	sericite and biotite schist and gneiss; may have HYDRIC soil inclusions		Bearing Capacity: low Shrink-swell Potential: high				
415A**	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent	Slight	FAIR	POOR	PRIME CROPLAND	MODERATELY HIGH	
Seneca Variant loam	high water tables on nearly level colluvial benches and toeslopes; developed in recent	0.37, 0.28	intermittent high water table; low bearing capacity when wet	high water table			
0-2%	colluvium from crystalline uplands	В	Bearing Capacity: moderate Shrink-swell Potential: low				
415B**	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent	Moderate	FAIR	POOR	PRIME CROPLAND	MODERATELY HIGH	
Seneca Variant loam	high water tables on gently sloping colluvial benches and toeslopes; developed in recent	0.37, 0.28	intermittent high water table; low bearing capacity when wet	high water table			
2 - 7%	colluvium from crystalline uplands	В	<b>Bearing Capacity:</b> moderate <b>Shrink-swell Potential:</b> low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PRO	OBLEMS FOR		SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
415C**	Very deep, moderately well drained,	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
4150	yellowish-brown loamy soils with intermittent	Wioderate	171110	TOOK	CROPLAND	HIGH	
Seneca Variant	high water tables on strongly sloping colluvial	0.37, 0.28	intermittent high water table; low	high water table			
loam	benches and toeslopes; developed in recent colluvium from crystalline uplands	В	bearing capacity when wet  Bearing Capacity: moderate				
7 - 15%	condition crystainne uplands	Б	Shrink-swell Potential: low				
4l6A**	Very deep, well drained, yellowish-brown to	Slight	GOOD	MARGINAL	PRIME	MODERATELY	
Meadowville	reddish-brown silty soils on nearly level colluvial benches and toeslopes; developed in	0.37, 0.32	Intermittent high water table	landscape position	CROPLAND	HIGH	
Variant silt loam	recent colluvium and local wash from acid	0.07, 0.02	Bearing Capacity: moderate	nanascape position			
0. 20/	rock materials	В	Shrink-swell Potential: low				
0 - 2% 416B**	Very deep, well drained, yellowish-brown to	Moderate	GOOD	MARGINAL	PRIME	MODERATELY	
Hob	reddish-brown silty soils on gently sloping	1/10001010	0002		CROPLAND	HIGH	
Meadowville	colluvial benches and toeslopes; developed in	0.37, 0.32		landscape position			
Variant silt loam	recent colluvium and local wash from acid rock materials	В	Intermittent high water table  Bearing Capacity: moderate				
2 - 7%	TOCK HIRCHAIS	Ь	Shrink-swell Potential: low				
416C**	Very deep, well drained, yellowish-brown to	Moderate	GOOD	MARGINAL	SECONDARY	MODERATELY	
Meadowville	reddish-brown silty soils on strongly sloping colluvial benches and toeslopes; developed in	0.37, 0.32		landscape position	CROPLAND	HIGH	
Variant silt loam	recent colluvium and local wash from acid	0.37, 0.32	Intermittent high water table	randscape position			
	rock materials	В	Bearing Capacity: moderate				
7 - 15%			Shrink-swell Potential: low				
417B**	Very deep, well drained, brown loamy soils on gently sloping colluvial benches and toeslopes;	Moderate	GOOD	MARGINAL	PRIME CROPLAND	HIGH	
Middleburg Variant	developed in recent colluvium from basic	0.37, 0.32		landscape position			
loam	crystalline rock materials	ъ	Intermittent high water table				
2 - 7%		В	Bearing Capacity: moderate Shrink-swell Potential: low				
417C**	Very deep, well drained, brown loamy soils on strongly sloping colluvial benches and	Moderate	GOOD	MARGINAL	SECONDARY CROPLAND	HIGH	
Middleburg Variant	toeslopes; developed in recent colluvium from	0.37, 0.32		landscape position			
loam	basic crystalline rock materials	D	Intermittent high water table				
7- 15%		В	Bearing Capacity: moderate Shrink-swell Potential: low				
, 15,0			CILIN-SWEIL OCCIUM. IOW				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		EROSION HAZARD	USE POTENTIAL AND PRO	OBLEMS FOR SELEC		SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
420E**	Moderately deep, well drained, strong brown	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
420E**	coarse-loamy soils on steep backslopes; 3 –	very mgn	VERTPOOR	NOI SUITED	NOI SUITED	LOW	
Tankerville loam,	15% surface stones; developed in residuum	0.32, 0.24	shallow to rock; very steep slopes;	shallow to rock			
extremely stony	from granite, schist and gneiss		stones	very steep slopes			
		C	Bearing Capacity: moderate				
25 - 45%			Shrink-swell Potential: low				
420F**	Moderately deep, well drained, strong brown	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Tankerville loam,	coarse-loamy soils on very steep backslopes; 3–15% surface stones; developed in residuum	0.32, 0.24	shallow to rock; very steep slopes;	shallow to rock			
extremely stony	from granite, schist and gneiss	0.32, 0.24	stones	very steep slopes			
extremely stony	from grainte, semst and gnesss	С	Bearing Capacity: moderate	very steep stopes			
45 - 65%			Shrink-swell Potential: low				
421B**	Very deep, well drained, yellowish-brown	Moderate	GOOD	GOOD	SECONDARY	MODERATE	
	coarse-loamy soils on undulating summits and				CROPLAND		
Philomont sandy	gently sloping backslopes; developed in	0.24, 0.17					
loam	residuum from augen gneiss, granite gneiss	В	Bearing Capacity: moderate Shrink-swell Potential: low				
2 - 7%	and granite	D	Shrink-swell Potential: 10W				
421C**	Very deep, well drained, yellowish-brown	high	GOOD	GOOD	SECONDARY	MODERATE	
.210	coarse-loamy soils on rolling summits and	8			CROPLAND		
Philomont sandy	strongly sloping backslopes; developed in	0.24, 0.17					
loam	residuum from augen gneiss, granite gneiss		Bearing Capacity: moderate				
	and granite	В	Shrink-swell Potential: low				
7- 15	Warned and another description of the control of th	L:_L	EAID	MADCINAL	DDIME	MODERATELY	
421D**	Very deep, well drained, yellowish-brown coarse-loamy soils on moderately steep	high	FAIR	MARGINAL	PRIME PASTURE	MODERATELY LOW	
Philomont sandy	backslopes; developed in residuum from augen	0.24, 0.17		steep slopes	FASTURE	LOW	
loam	gneiss, granite gneiss and granite	0.21, 0.17	Bearing Capacity: moderate				
	6 · · · · · · · · · · · · · · · · · · ·	В	Shrink-swell Potential: low				
15- 25							
421E**	Very deep, well drained, yellowish-brown	Very high	POOR	POOR	SECONDARY	MODERATELY	
TN 1	coarse-loamy soils on steep backslopes;	0.24 0.17	very steep slopes	very steep slopes	PASTURE	LOW	
Philomont sandy	developed in residuum from augen gneiss,	0.24, 0.17	Paguing Congoitys, madesat-				
loam	granite gneiss and granite	В	Bearing Capacity: moderate Shrink-swell Potential: low				
25- 45		ь	Smink-Swell I defitial. 10W				
421F**	Very deep, well drained, yellowish-brown	Very high	NOT SUITED	NOT SUITED	NOT SUITED	MODERATELY	
	coarse-loamy soils on very steep backslopes;		very steep slopes	very steep slopes		LOW	
Philomont sandy	developed in residuum from augen gneiss,	0.24, 0.17					
i illionioni sandy							
loam	granite gneiss and granite	В	Bearing Capacity: moderate Shrink-swell Potential: low				

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	j son characterishes and cae I eleman	EROSION HAZARD	USE POTENTIAL AND PROBLEMS FOR		SELECTED USES		
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
425C**	N. 1 . 1 . 1 . 1 . 1	36.1	EAD	DOOD	GEGOVE LEV	MODERAFELM	
425C**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on rolling	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Hazel fine sandy	summits and strongly sloping backslopes;	0.32, 0.24	shallow to rock	shallow to rock	CROI LAND	LOW	
loam	developed in residuum from arkosic sandstone	0.02, 0.2	Bearing Capacity: moderate				
	and meta-graywacke	C	Shrink-swell Potential: low				
7- 15%							
425D**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on	High	FAIR	POOR	PRIME PASTURE	MODERATELY LOW	
Hazel fine sandy	moderately steep backslopes; developed in	0.32, 0.24	shallow to rock; steep slopes	shallow to rock			
loam	residuum from arkosic sandstone and meta-		Bearing Capacity: moderate	steep slopes			
	graywacke	C	Shrink-swell Potential: low				
15- 25%							
425E**	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on steep	Very High	POOR	NOT SUITED	SECONDARY PASTURE	LOW	
Hazel fine sandy	backslopes; developed in residuum from	0.32, 0.24	shallow to rock; very steep slopes	shallow to rock	PASTURE		
loam	arkosic sandstone and meta-graywacke	0.32, 0.24	Bearing Capacity: moderate	very steep slopes			
104111	amosie sandstone and meta gray waene	С	Shrink-swell Potential: low	very steep stopes			
25- 45%							
430B**	Moderately deep, well drained, dark brown	Moderate	FAIR	POOR	PRIME	MODERATELY	
	coarse-loamy soil on undulating summits and				CROPLAND	LOW	
Chestnut sandy	gently sloping backslopes; developed in	0.24, 0.24	shallow to rock	shallow to rock			
loam	residuum from coarse-grained granite	Ъ	Bearing Capacity: moderate				
2 - 7%		В	Shrink-swell Potential: low				
430C**	Moderately deep, well drained, dark brown	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
.500	coarse-loamy soil on rolling summits and	1,10deluie		1001	CROPLAND	LOW	
Chestnut sandy	strongly sloping backslopes; developed in	0.24, 0.24	shallow to rock; steep slopes	shallow to rock; steep			
loam	residuum from coarse-grained granite		Bearing Capacity: moderate	slopes			
		В	Shrink-swell Potential: low				
7 - 15%	Madantala da manuli 1 1 1 1 1 1	TT: 1	DOOD	DOOR	DDDAG	MODED ATEL ST	
430D**	Moderately deep, well drained, dark brown	High	POOR	POOR	PRIME PASTURE	MODERATELY	
Chestnut sandy	coarse-loamy soil on moderately steep backslopes; developed in residuum from	0.24, 0.24	shallow to rock; steep slopes	shallow to rock	PASTURE	LOW	
loam	coarse-grained granite;	0.24, 0.24	Bearing Capacity: moderate	steep slopes			
	6 · · · · 6 · · · · · · · · · · · · · ·	В	Shrink-swell Potential: low	····r ···r			
15 - 25%							
430E**	Moderately deep, well drained, dark brown coarse-loamy soil on steep backslopes;	Very high	VERY POOR	NOT SUITED	SECONDARY PASTURE	LOW	
Chestnut sandy	developed in residuum from coarse-grained	0.24, 0.24	very steep slopes; shallow to rock	shallow to rock			
loam	granite		Bearing Capacity: moderate	very steep slopes			
25 500		В	Shrink-swell Potential: low				
25 - 50%							

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

	,	noi pari oj	USE POTENTIAL AND PROBLEMS FOR		SELECTED USES		
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
430E3**	Moderately deep, well drained, dark brown,	Very High	VERY POOR	NOT SUITED	NOT SUITED	LOW	
430E3***	coarse-loamy soil on steep backslopes; most of	very riigii	VER I FOOR	NOT SUITED	NOI SUITED	LOW	
Chestnut sandy	the topsoil and subsoil has been eroded off,	0.24, 0.24	very steep slopes; shallow to rock;	very steep slopes			
loam; severely	developed in residuum from coarse-grained	В	severely eroded	shallow to rock			
eroded	granite	Б	Bearing Capacity: moderate Shrink-swell Potential: moderate				
25 - 50%			Sin and a great a decision in oderate				
434B**	Very deep, moderately well drained,	Moderate	FAIR	POOR	PRIME	MODERATELY	
Flume loam	yellowish-red clayey soils on undulating summits and gently sloping backslopes;	0.37, 0.28	intermittent high water table	high water table	CROPLAND	LOW	
Trume toam	developed in residuum from sericite, biotite	0.57, 0.26	Bearing Capacity: moderate	ingii water table			
2 - 7%	schist and meta-monzonite granite	C	Shrink-swell Potential: moderate				
434C**	Very deep, moderately well drained,	Moderate	FAIR	POOR	SECONDARY	MODERATELY	
4340	yellowish-red clayey soils on strongly sloping	Wioderate	TAIK	TOOK	CROPLAND	LOW	
Flume loam	backslopes; developed in residuum from	0.37, 0.28	intermittent high water table	high water table			
7 150/	sericite, biotite schist and meta-monzonite	С	Bearing Capacity: moderate Shrink-swell Potential: moderate				
7 - 15%	granite	C	Shrink-swell Potential: moderate				
438A**	Very deep, somewhat poorly drained,	Moderate	VERY POOR	NOT SUITED	PRIME	MODERATE	
G 11	brownish- yellow loamy soils with high water	0.22 0.20		111 11	PASTURE		
Swampoodle Variant loam	tables on broad nearly level summits and slight depressions; may have shrink-swell clay in	0.32, 0.28	high water table; possible shrink- swell clays	high water table			
variant loam	subsoil; developed in local colluvium and	С	Bearing Capacity: low				
0 - 2%	residuum from granitic rocks; may have		Shrink-swell Potential: high				
438B**	HYDRIC soil inclusions  Very deep, somewhat poorly drained,	Moderate	VERY POOR	NOT SUITED	PRIME	MODERATE	
430B**	brownish- yellow loamy soils with high water	Moderate	VENT FOOK	NOT SUITED	PRIME PASTURE	MODEKATE	
Swampoodle	tables on broad undulating summits and slight	0.32, 0.28	high water table; possible shrink-	high water table			
Variant loam	depressions; may have shrink-swell clay in		swell clays				
2 - 7%	subsoil; developed in local colluvium and residuum from granitic rocks; may have	С	Bearing Capacity: low Shrink-swell Potential: high				
2 - 170	HYDRIC soil inclusions		Sm mk-swen Fotentian; mgn				
440B**	Moderately deep, moderately well to	Moderate	FAIR	POOR	SECONDARY	MODERATE	
D	somewhat poorly drained, strong brown to	0.27. 0.22		1.11	CROPLAND		
Pignut silt loam (wet phase)	yellowish red silty soils on undulating summits and gently sloping backslopes in highly	0.37, 0.32	shallow to rock, wetness  Bearing Capacity: moderate	shallow to rock, wetness			
(wet phase)	dissected landscapes; developed in residuum	С	Shrink-swell Potential: moderate	wettiess			
2 - 7%	from greenstone to chloritic schist						

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

			USE POTENTIAL AND PROBLEMS FOR		SELECTED USES		
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
440C**	Moderately deep, moderately well to	Moderate	FAIR	POOR	SECONDARY	MODERATE	
Diamut silt loom	somewhat poorly drained, strong brown to yellowish red silty soils on rolling summits	0.37, 0.32	shallow to rock, wetness	shallow to rock,	CROPLAND		
Pignut silt loam (wet phase)	and strongly sloping backslopes in highly	0.57, 0.52	Bearing Capacity: moderate	wetness			
7 - 15%	dissected landscapes; developed in residuum from greenstone to chloritic schist	С	Shrink-swell Potential: moderate	Wetness			
440D**	Moderately deep, moderately well to somewhat poorly drained, strong brown to	High	FAIR	POOR	PRIME PASTURE	MODERATE	
Pignut silt loam	yellowish red silty soils on moderately steep	0.37, 0.32	shallow to rock, wetness	shallow to rock,			
(wet phase)	backslopes in highly dissected landscapes; developed in residuum from greenstone and	С	Bearing Capacity: moderate Shrink-swell Potential: moderate	wetness			
15 - 25%	chloritic schist	G11 1 .	EAR	NOT GUITED	GEGOVE LEV	MODERATELA	
474A**	Deep, somewhat poorly drained, yellowish brown over reddish brown silty soils with	Slight	FAIR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Calverton silt loam	seasonal perched water tables on broad, nearly level upland flats. Developed from old fluvial	0.37, 0.24	Intermittent high water table; low bearing capacity when wet due to	Shallow restrictive layer; high			
0-2%	capping over triassic siltstone, and fine- grained sandstone	С	high silt content.  Bearing capacity: low  Shrink-swell Potential: low	seasonal/perched water table			
474B**	Deep, somewhat poorly drained, yellowish brown over reddish brown silty soils with	Moderate	FAIR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Calverton silt loam	seasonal perched water tables on gently sloping shoulders and heads of drainageways.	0.37, 0.24	Intermittent high water table; low bearing capacity when wet.	Shallow restrictive layer; high			
2-7%	Developed from old fluvial capping over triassic siltstone, and fine-grained sandstone	С	Bearing Capacity: low Shrink-swell Potential: low	seasonal/perched water table			
475A**	Very deep, moderately well to somewhat poorly drained, yellowish-red, dense clayey	Slight	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Tinpot loam	soils on nearly level summits; developed in residuum from Triassic conglomerate, shale	0.37, 0.28	high water table  Bearing Capacity: low	high water table percs very slowly			
0-2%	and fine-grained sandstone	С	Shrink-swell Potential: high				
475B**	Very deep, moderately well to somewhat poorly drained yellowish-red dense clayey	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Tinpot loam	soils on undulating summits; developed in residuum from Triassic conglomerate, shale	0.37, 0.28	high water table  Bearing Capacity: low	high water table; percs very slowly			
2 - 7%	and fine-grained sandstone	C	Shrink-swell Potential: high	<u> </u>			
475C**	Very deep, moderately well to somewhat poorly drained, yellowish-red, dense clayey	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Tinpot loam	soils on strongly sloping backslopes; developed in residuum from Triassic	0.37, 0.28	high water table  Bearing Capacity: low	high water table; percs very slowly			
7 - 15%	conglomerate, shale and fine-grained sandstone	С	Shrink-swell Potential: high	. ,			

Table. Summary of Soil Characteristics and Use Potential (\*\*-- not part of official soil survey)

		USE POTENTIAL ANI		ROBLEMS FOR		SELECTED USES	
MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL CHARACTERISTICS	EROSION HAZARD K Factor (surface/subsoil) HYDROLOGIC GROUP	GENERAL DEVELOPMENT USING CENTRAL WATER AND CENTRAL SEWER	DEVELOPMENT USING CONVENTIONAL SEPTIC TANK AND DRAINFIELD	AGRICULTURE	FORESTRY (HARDWOOD)	LAND USE CAPABILITY CLASS
480B**	Moderately deep, well drained, brown loamy soils on undulating summits and gently sloping	Moderate	GOOD	POOR	SECONDARY CROPLAND	MODERATELY LOW	
Brentsville loam Variant	backslopes, developed in residuum from Triassic sandstone and/or meta-shale	0.28, 0.15	few problems	shallow to rock			
2 - 7%		С	Bearing Capacity: high Shrink-swell Potential: low				
481B**	Very deep, moderately well drained, light yellowish-brown to strong brown clayey soils	Moderate	FAIR	POOR	SECONDARY CROPLAND	MODERATE	
Brumbaugh Variant loam	on footslopes and toeslopes of mountains and broad gently sloping interfluves; semi-rounded stones make up 5-50% of the soil; developed	0.28, 0.20 B	intermittent high water table; low bearing capacity when wet due to shrink-swell clays	high water table			
2 - 7%	in old mountain colluvium from mixed acidic and basic rocks		Bearing Capacity: low Shrink-swell Potential: high				
482B**	Very deep, somewhat poorly drained, brownish yellow and gray clayey soils on	Moderate	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Scattersville Variant loam	gently sloping footslopes; developed in colluvium from felsic to mafic rock	0.37, 0.28 C	high water table; low bearing capacity when wet <b>Bearing Capacity:</b> low	high water table			
2 - 7%			Shrink-swell Potential: high				
493A**	Very deep, somewhat poorly drained, yellowish-brown clayey soils with high water	Slight	VERY POOR	NOT SUITED	SECONDARY PASTURE	MODERATELY LOW	
Delanco Variant loam	tables on nearly level, low terraces along major streams; developed in old alluvium washed	0.28, 0.28	may be in 100 year floodplain; rare flooding; high water table; low	high water table			
0 - 2%	from uplands underlain by a wide variety of rocks common to the county; may have HYDRIC soil inclusions	С	bearing capacity when wet; shrink- swell clay Bearing Capacity: low Shrink-swell Potential: high				
520F**	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes;	Very high	VERY POOR	NOT SUITED	NOT SUITED	LOW	
Tankerville loam, rubbly	15% or more surface stones; developed in residuum from granite, schist and gneiss	0.32, 0.24	shallow to rock; very steep slopes; stones	shallow to rock very steep slopes			
45 - 65%		С	Bearing Capacity: moderate Shrink-swell Potential: low				